FRONTERA

HOLDEN

www.holden.com.au

Ownerís Name .....

Address .....

Town .....

State.....Postcode .....

Model Name .....

Reg. No.....Eng. No. .....

Odometer Reading .....

Date of Purchase .....

(17 character I.S.O.V.I.N.) Vehicle Identification Number

Vehicle Identification Certificate

Selling Dealerís
Stamp & Signature

Holden Ltd ABN 84 006 893 232 (hereinafter Holden).

Change of name, address or ownership

In the event of a Safety Recall, or for various reasons, we may need to contact you as the owner of this vehicle. Also, if less than three years old, this vehicle will qualify for Roadside Assistance, refer Chapter 9. If you have recently changed your address, or name, or purchased this vehicle second-hand, please help us to help you by taking a few minutes to fill in and mail the form on the third page of this handbook.

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Part No. 92109269
November 2001 (UES Print 4)

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We thank you for choosing Holden and want to assure you of our continuing interest in your driving pleasure and satisfaction.

This handbook applies to all Frontera. Therefore, you may find reference in this Handbook to some equipment not fitted to your own car.

Please note that all information, illustrations and specifications in this Handbook are based on the latest production information available at the time of printing. Holden reserves the right to make changes at any time without notice and without incurring any obligation.

CHANGE OF ADDRESS OR OWNERSHIP

Please fill in the form below if you have changed your name, address, bought the car second-hand, or have become the new driver.
Holden requires these details in order to contact the operator in the event of a safety recall and to keep the initial 3 year Roadside Assistance details up to date (refer Chapter 9).
Please mail to the address on the back of this page.

Please tick the appropriate box:

☐ Original Owner ☐ Subsequent Owner

Mr, Mrs, Ms, Miss, Dr, etc.

First name in full or initials

Surname or Name of Company/Institution/Government Department

Address

Street/box

City/Town

State Postcode

1st contact phone no

2nd contact phone no

Email address

Car registration number

Holden Number (refer Chapter 8)

ISOVIN No (refer Chapter 8)

Place in an envelope and mail to:

The Manager – Warranty Administration
Service Department
Holden Ltd
Box 548D, G.P.O.
Melbourne
Victoria, 3001

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CHAPTER 1

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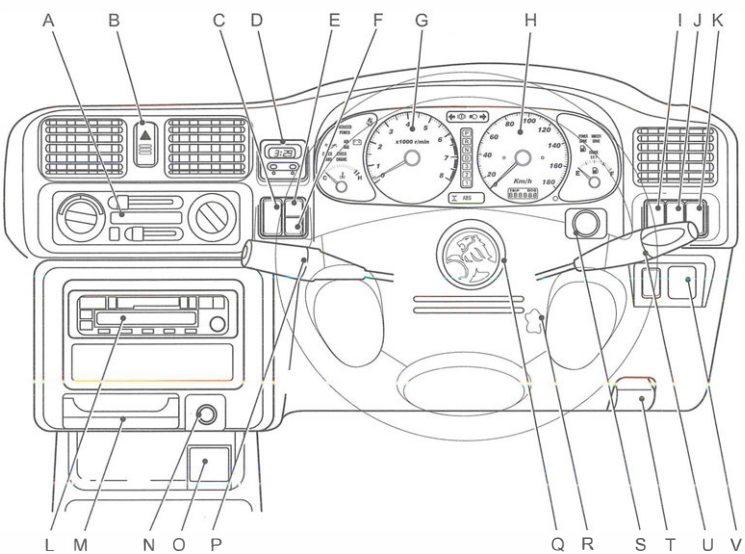

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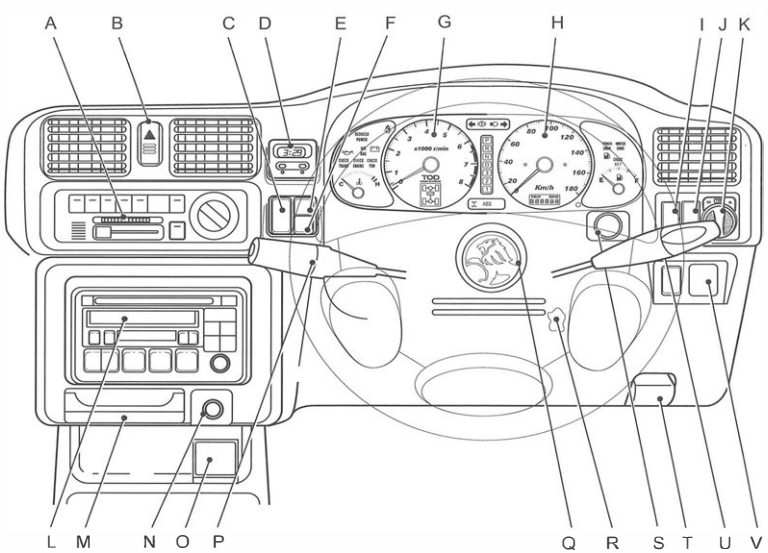
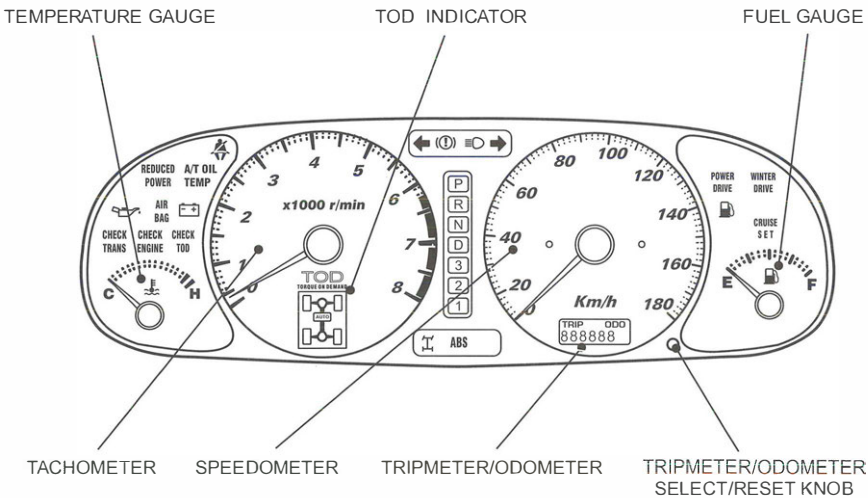


GAUGES & INSTRUMENT LIGHTING



Temperature gauge

The temperature gauge indicates the engine coolant temperature.

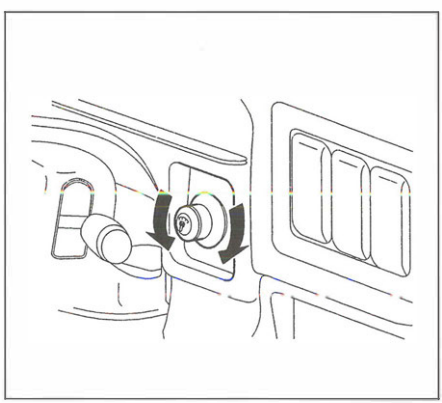
Stop/start driving in heavy traffic, driving at high speed in warm weather, hill climbing or towing may cause the needle to move toward the red section of the gauge. This is normal, and is not cause for concern. However, if the needle should move all the way to the red section of the gauge and remain there for more than 30 seconds, you should stop the vehicle as soon as it is safe to do so. Refer to Chapter 6 for overheating instructions.

Fuel gauge

The fuel gauge shows the level of fuel in the fuel tank. If the ⛽ symbol illuminates, you should refill the fuel tank as soon as possible. Refer to Chapter 5 for refuelling instructions.

Instrument lighting

The instruments are automatically illuminated when the lights are switched on. The brightness of the instrument panel lights is increased by turning the illumination control knob clockwise and decreased by turning the control knob anti-clockwise.



SPEEDOMETER, TACHOMETER & CLOCK

Speedometer

The speedometer shows vehicle speed in kilometres per hour.

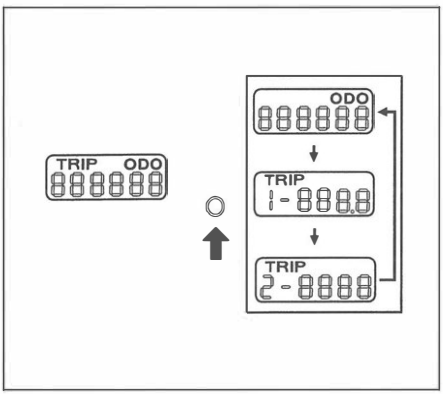
Odometer and tripmeter

The tripmeter and odometer are incorporated in the same window as the speedometer.

The odometer records the distance travelled since the vehicle was built and the tripmeter records the distance travelled on a particular journey. The tripmeter can keep a record of two different journeys at the same time.

The tripmeter reset knob is located at the lower right-hand side of the speedometer dial.

Push the reset knob for approximately one second or less and the display will change between ODOMETER, TRIP 1 and TRIP 2. If the reset knob is held depressed for more than 1 second, the tripmeter will reset to zero.



Tachometer

The tachometer shows engine speed in revolutions per minute (rpm). Operation in the RED zone may cause serious engine damage.

On vehicles fitted with the Torque On Demand 4WD drive system, the tachometer dial also contains the TOD indicator light. Refer to Chapter 4 for TOD light operation.

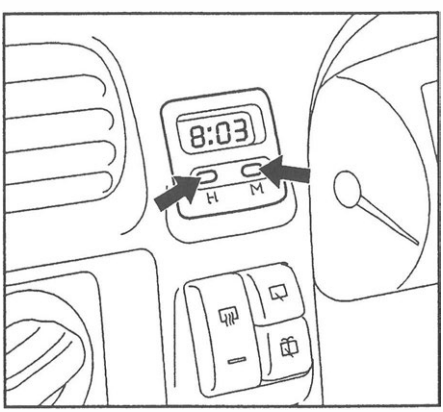
Clock

A digital clock is mounted to the left of the instrument cluster.

To adjust the hours press the left hand button. The button can be "tapped" to increase the hours one at a time, or the button can be held down to scroll through the hours.

The right button is for adjusting the minutes and is adjusted in the same way as the hours.

The clock can be adjusted with the ignition switch in any position.



WARNING LIGHTS

Battery

To check that the warning light is working, the symbol is displayed when the ignition is turned to ON – until the engine is started.

If the symbol is illuminated when driving it indicates that the generator is not charging and you should see your Holden Dealer.

Low fuel

This symbol is displayed when the petrol tank is approaching empty. Never let the tank become empty.

Oil pressure

To check that the warning light is working, the symbol is displayed when the ignition is turned to ON – until the engine is started.

The symbol may be displayed intermittently when the engine is hot and idling, but must go out when the engine speed is increased.

If the symbol is illuminated while driving, it indicates that the oil pressure is dangerously low. Stop immediately and check the engine oil level (Refer Chapter 7). Do not drive the vehicle with this symbol showing. If the level is normal, have the system checked at your nearest Holden Dealer.

Hazard warning flasher

The symbol flashes when the hazard switch, which is mounted between the centre air vents on the dash, is pushed in. All the turn signals will flash when the hazard switch is ON, refer page 1-12.

Turn signals

The appropriate arrow will flash when the left or right turn signals are in use, during the course of driving.

Seat belt

When the key is turned to ON or START, the seat belt reminder light comes on, reminding occupants to fasten their seat belts. It turns off after the driver has fastened his/her seat belt.

WARNING LIGHTS cont.

High beam

This symbol is displayed in light blue when high beams are in use.

Check engine

Your vehicle is fitted with an electronic engine management system and an immobiliser system. This symbol is displayed when the ignition is turned to ON – until the engine is started.

CHECK ENGINE

If the symbol is illuminated while driving it indicates a fault in the Engine Management System. Although the vehicle may still be driveable it is recommended you have a Holden Dealer correct the problem as soon as possible.

If the symbol *flashes* and the engine cannot be started this indicates that a fault may have developed in the immobiliser system. However, it may also indicate that an unsuitable or faulty ignition key is being used to attempt to start the vehicle, i.e. the immobiliser is functioning correctly. Turn the ignition OFF for at least 2 seconds before attempting to start the engine again.

Brakes and park brake

The symbol is displayed when the ignition is turned to ON or the park brake is applied while the engine is running.

If the symbol is illuminated when the park brake is released and the engine is running, it indicates a fault with the brake system. You should immediately stop on the side of the road as carefully as possible. Do not proceed until satisfied that braking is possible or that the cause of the problem has been fixed.

Four wheel drive transfer lever (if fitted)

To check that the warning light is working, symbol flashes for 3 seconds when the ignition is turned ON.

It is displayed constantly when the transfer lever is shifted to the HIGH or 4L position. It does not necessarily mean the vehicle is operating in four wheel drive. Refer to Chapter 4 for driving instructions.

Air bags

To check that the warning light is working, the symbol flashes 7 times when the ignition is turned to ON. If it does not flash or if it comes on during driving, there is a defect in the air bag system. You should consult your Holden Dealer as soon as possible.

AIR BAG

WARNING LIGHTS cont.

Reduced power

REDUCED POWER

The Reduced Power warning lamp turns on when the ignition key is moved to the ON position. It should turn off in approximately 3 seconds or immediately after the engine starts. The warning light turns on if a problem occurs with the Electronic Throttle Control system.

Note: If the Reduced Power light comes on while driving, reduce speed immediately. The vehicle's speed and performance will be electronically controlled and reduced. You should consult a Holden Dealer as soon as possible.

Check transmission (automatic transmission only)

CHECK TRANS

To check that the warning light is working, the indicator light turns on when the ignition switch is turned to the ON position, and goes out after a few seconds.

Note: If the light flashes it means that the computer controlling the transmission has found a problem. The vehicle can still be driven when the light is flashing, but the computer may put the transmission into 'safety mode' (Refer Chapter 4). The transmission should be checked by your Holden Dealer as soon as possible.

Automatic transmission oil temperature

A/T OIL TEMP

To check that the warning light is working, the indicator light turns on when the ignition switch is turned to the ON position, and goes out after 3 seconds.

If the light comes on while driving, it indicates that the automatic transmission fluid temperature is too high.

You should stop as soon as it is safe to do so, leave the engine idling and place the gear shift lever in P. If the light goes out then you may resume driving. If the light does not go out you should have the transmission checked by a Holden Dealer as soon as possible.

Anti-lock brake system

ABS

To check that the light is working, the ABS light turns on when the ignition switch is turned to the ON position, and goes out after a few seconds.

If the light comes on while driving, carefully stop the vehicle and turn off the engine. If the light stays on or illuminates again while driving you should have the system checked by a Holden Dealer.

Note: This light only means that the *anti-lock system* is not operating. Your vehicle's brake system will still operate conventionally (Refer Chapter 4).

WARNING LIGHTS cont.

Winter drive (automatic transmission only)

WINTER DRIVE

The indicator light illuminates for a few seconds when the key is turned to ON or START if the transmission is in WINTER DRIVE mode.

The light is constantly displayed when the engine is running, WINTER DRIVE is selected and the transmission gear shift lever is in D (Refer Chapter 4).

Power drive (automatic transmission only)

POWER DRIVE

To check that the warning light is working, the indicator light illuminates for a few seconds when the key is turned to ON or START if the transmission is in POWER DRIVE mode.

The light is constantly displayed when the engine is running and POWER DRIVE is selected (Refer Chapter 4).

Cruise set (if fitted)

CRUISE SET

The CRUISE SET light will come on momentarily when the ignition is turned to ON. It will also come on and stay on when the cruise control is maintaining vehicle speed. Refer to Cruise Control in this Chapter.

Check TOD (if fitted)

CHECK TOD

To check that the light is working, the CHECK TOD light turns on when the ignition switch is turned to the ON position, and goes out after a few seconds.

If the light flashes while driving, it means that the computer controlling the Torque On Demand (TOD) system has found a problem.

Note: If the CHECK TOD light begins to flash while driving:

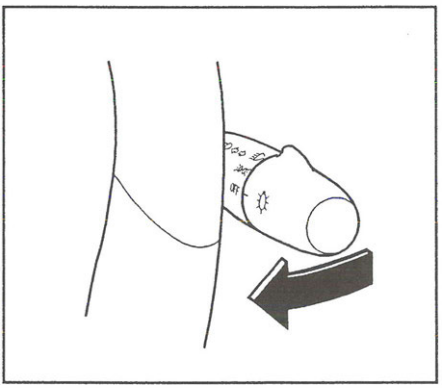
- Stop the vehicle as soon as possible in a safe place.
- Stop the engine.
- Restart the engine.
- Observe the CHECK TOD light.

If the light turns on and then turns off within 2 seconds, you may resume driving the vehicle. Have the vehicle checked by your Holden Dealer at your earliest possible convenience.

If the light remains on or flashes on and off, have the vehicle checked by your Holden Dealer as soon as possible.

WIPERS & WASHERS

Wipers



Move the lever located on the left-hand side of the steering wheel up or down.

1 MIST – provides a single sweep of the wipers when moved upwards.

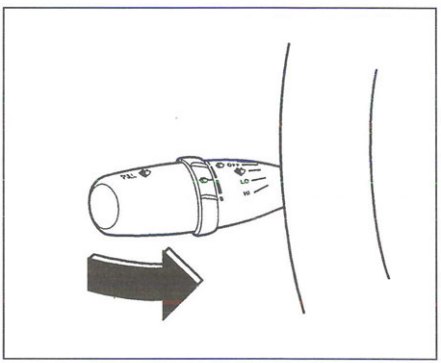
2 OFF – wipers do not operate.

3 VARIABLE INTERMITTENT – provides a frequency of intermittent wipe that can be varied by rotating the intermittent ring when the lever is in the intermittent position. The wiper interval can be adjusted between F (fast) and S (slow) for an intermittent operation of 2 seconds to 20 seconds approximately.

4 LO – wipers operate continuously.

5 HI – wipers operate continuously at a faster speed.

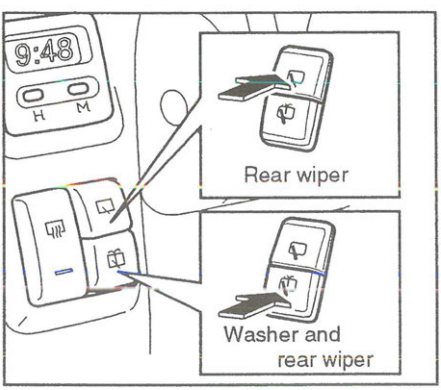
Windscreen washer



To obtain a spray of washer fluid, pull the lever towards you. This will automatically turn the wipers ON for a short time, if not already operating.

Never operate the wipers on dry glass, as this will damage the rubber and scratch the glass.

Rear wiper and washer



The rear wiper and washer operate as follows:

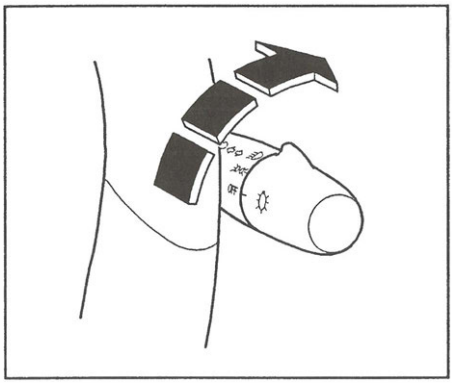
- To turn the intermittent speed wiper on, push the wiper switch.

  Push the wiper switch again to turn the wiper off.

- To wash and wipe simultaneously, push the washer switch. The washer and wiper will operate only as long as the switch is held in.

LIGHTS

Headlights and park lights

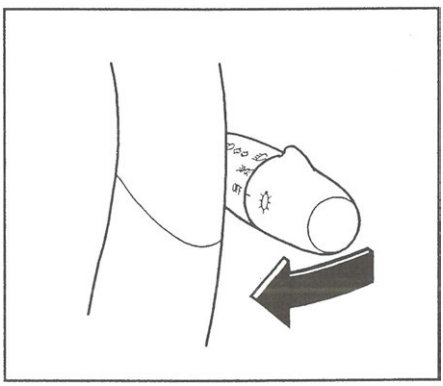


To turn on the parking lights, tail lights, licence plate lights, marker lights and instrument panel lights, rotate the light switch knob clockwise to the first step.

To turn on the headlights in addition to the previously mentioned lights, rotate the knob to the second step.

A constant tone chime is designed to remind you to switch your headlights off before leaving your vehicle. It will be heard when the headlights are switched on, the driver's side door is opened and the key is removed from the ignition.

High beam



High beam is controlled by the lever on the right side of the steering wheel column. With the headlights on, pull the lever towards you, until you hear a 'click', then release. The headlights will change to high beam. When the high beams are in use, a symbol on the instrument panel will be illuminated in light blue. To turn high beams off, push the lever back towards the dash.

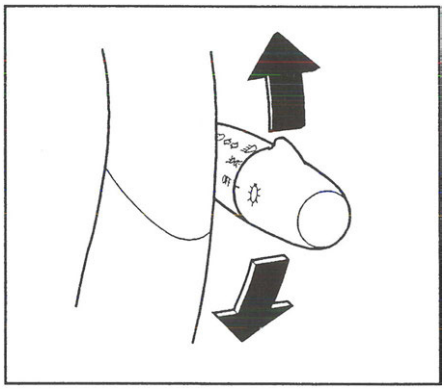
It is also possible to flash the high beams for signalling purposes (even if the headlights and/or ignition are switched off) by pulling the lever towards you and releasing before the click.

Interior lighting

Refer to page 3-12

LIGHTS cont.

Turn signals

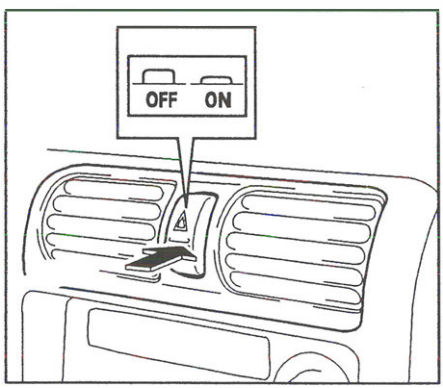


The turn signal lever is on the right side of the steering wheel column. Push the lever up to signal a left turn, down to signal a right turn.

In some turns (such as changing lanes) the steering wheel is not turned far enough to cancel the turn signal. So, to indicate a lane change, move the lever part way and hold. The lever will return to the neutral position when you release it.

The appropriate arrow on the instrument panel will flash when the turn signals are in operation.

Hazard warning flasher



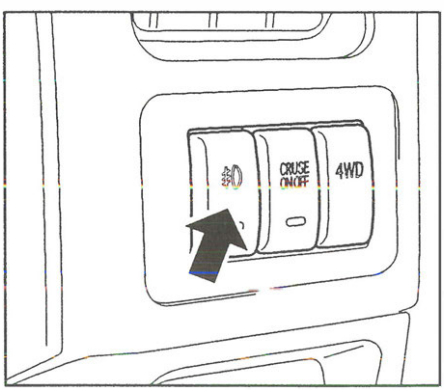
Press the switch located between the two centre air vents to turn the hazard warning flasher on and off. The hazard warning flasher works regardless of the ignition position.

When turned on, all turn signals will continuously flash.

Use the hazard warning flasher to warn other drivers any time your vehicle becomes a traffic hazard.

Use of the hazard warning flashers while the vehicle is moving is illegal in some States.

Fog lights (if fitted)



When fog or heavy mist reduces your forward vision, push this switch to turn the fog lights on.

To turn on the fog lights, push the switch to the ON position, when the headlights are turned on.

To turn off the fog lights, press the switch again.

AUDIO SYSTEM, HORN & TOD SWITCH

Radio/cassette/CD player operation

The audio system is operational when the ignition is in the ACC position.

Please refer to separate instruction supplement for the audio system provided in the glovebox.

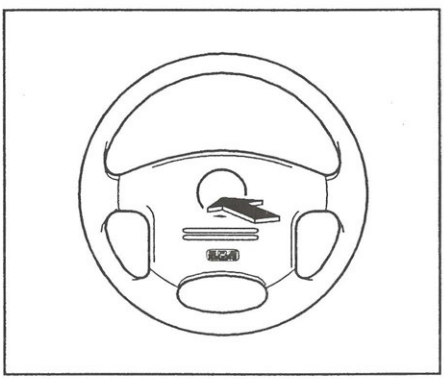
A security code card listing the audio system model number, serial number and security number is also provided. Ensure that this card is kept in a safe location.

Important compact disc care tips

- Handle the CD by its edge and avoid touching the playing surface.
- Do not stick paper or tape on either surface.
- Do not write on either surface.
- Do not expose the CD to direct sunlight or a heat source such as a heater/demister outlet.
- Do not use solvents to clean a CD. Use commercially available CD cleaning products.

Horn

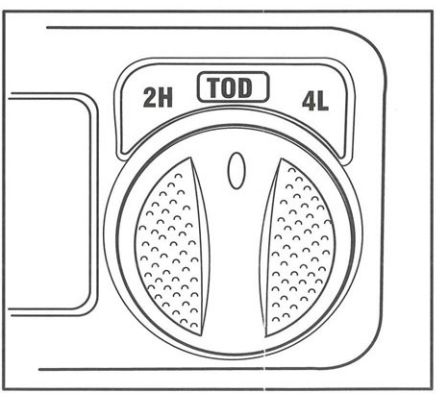
The horn can be activated at any time, even with the ignition in the LOCK position, by pressing the pad in the centre of the steering wheel.



Torque On Demand (TOD) switch (if fitted)

A three position TOD switch is mounted at the right-hand side of the dashboard. This switch allows the driver to select 2WD or 4WD operation.

For information on the TOD system, refer to Chapter 4.

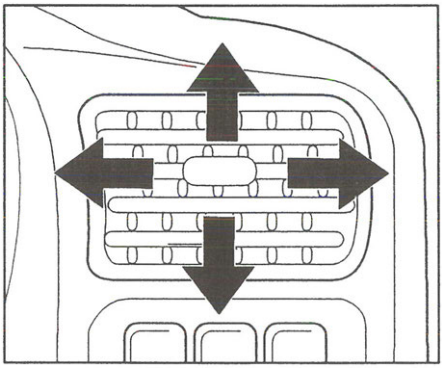


AIR VENTS & REAR WINDOW DEMISTER

Side vents

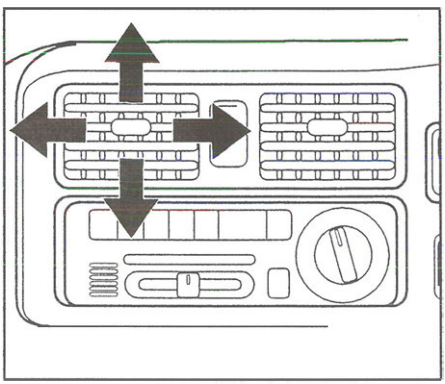
The side vents, located on either far end of the dashboard, can be angled up/down or left/right.

The air supply can be increased by switching on the fan.



Centre vents

The centre vents, located in the middle of the dash, may be angled up/down or left/right.



Foot vents

Foot vents, located on the bottom left hand corners of the doors, are fixed, as they provide air to the feet in the best possible way.

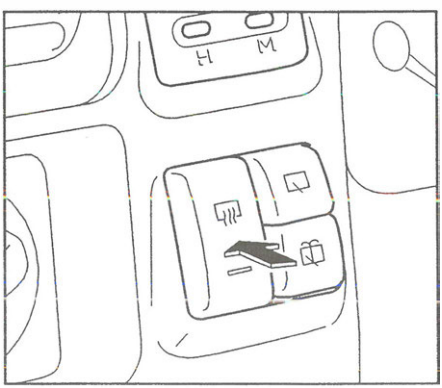
Rear window demister switch

Press the switch located on the left-hand side of the steering wheel underneath the clock, to turn the rear demister on and off. An indicator in the switch will glow when the rear demister is operating.

It is recommended that the demister be turned off as soon as the rear window is clear.

The rear demister will only operate when the ignition is in the ON position.

Heating of the exterior mirrors is activated when the rear window demister is switched on.



MANUAL HEATER CONTROL

The manual heater controls are located between the centre air vents and the audio system in the middle of the dash.

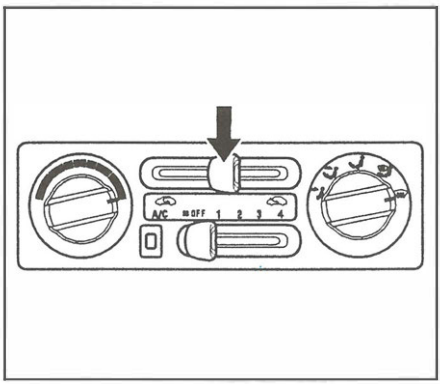
Recirculation lever

Air intake source is controlled by sliding this knob:

Right Outside air is drawn into the vehicle.

Left Air within the vehicle is recirculated with the aid of the fan.

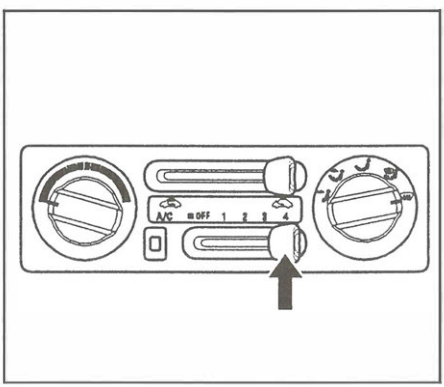
Recirculating the inside air for an extended time is not recommended; switch to outside air as soon as possible to renew the air.



Fan speed

Fan speeds 1 through to 4 can be selected by sliding this knob away from the OFF position.

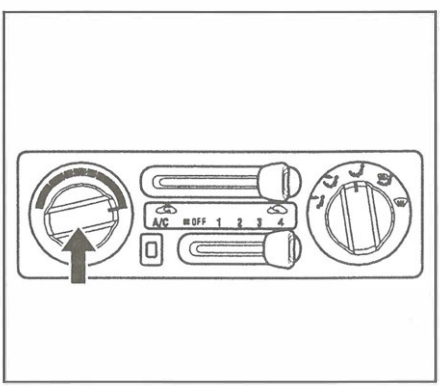
The fan will only operate when the ignition is turned ON.



Temperature control

The temperature knob regulates the temperature of the air entering the passenger compartment.

Turn the knob clockwise to the red band for warmer air and turn anti-clockwise to the blue band for cooler air.



MANUAL HEATER CONTROL cont.

Selecting air vents

Different vents are selected when the vent select knob is set in the following positions:

Air will flow from the centre, knee and side vents.

Air will flow from the centre, side and foot vents. The air from the foot vents is warmer than that from the upper vents, except when the temperature control knob is moved to its extreme right or left positions. Air from the upper and lower vents will then be at the same temperature.

Air will flow from the foot vents.

Air will flow from the foot vents and a small amount will flow from the windscreen and side window demister vents.

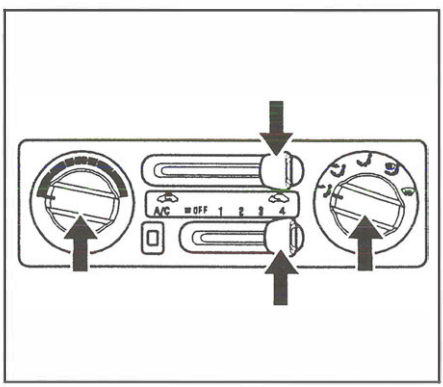
Air will flow from the windscreen and side window vents.

Cooling

- Turn the temperature control counter-clockwise to COLD.
- Set the source to .
- Switch on the fan.
- Switch on the air conditioner.

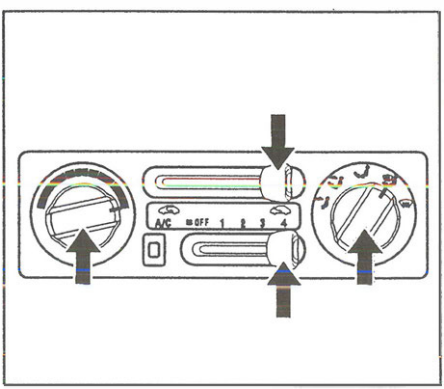
For maximum cooling to the head area, select the vents.

For maximum cooling to the foot area, select the vents.



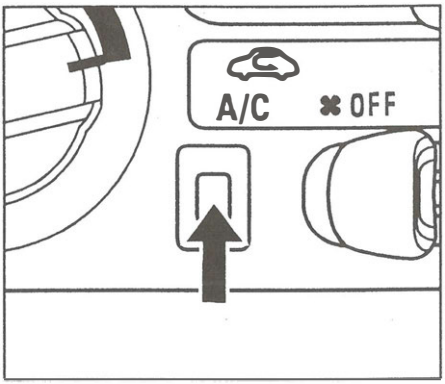
Normal heating

- Select the required vents.
- Set the fan speed as required.
- Set the source initially to and to after the interior has warmed-up.
- Turn the temperature control clockwise to HOT. The heater uses heat generated from the engine. Therefore hot air is not available until the engine sta ts to warm up.



MANUAL AIR CONDITIONER & DEMISTER

Air conditioning



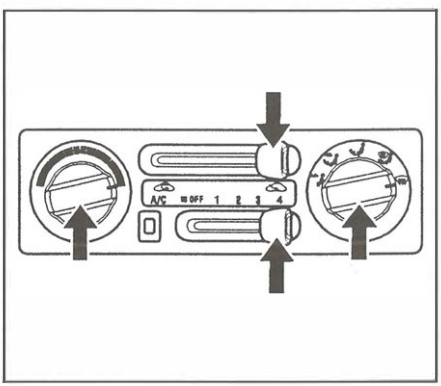
Manual air conditioning is operational when the engine is running and the fan is on.

Press the A/C button located on the heater control in to activate the air conditioning. Set the fan position to 1, 2, 3, or 4 to begin air circulation. A blue indication light will illuminate on the button when the air conditioning is in use. Turn the temperature control knob to the blue area.

To conserve fuel, turn off the air conditioner when not required.

To lubricate the seals of the system, the air conditioner should be switched on for 10 minutes every week, even in winter.

Demisting

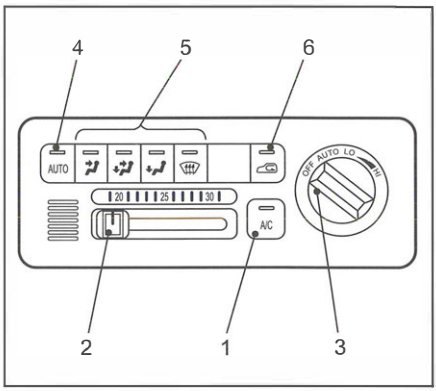


- Turn the temperature control clockwise to HOT.
- Select .
- Set the fan to speed 4.
- Switch on the air conditioner.
- Switch on the rear window demister, located next to the heater controls in the centre of the dash, by pushing the button in.

FULL AUTO AIR CONDITIONER

Full auto air conditioning

This type of air conditioner is only available with the automatic transmission models.



1. Air Conditioner Switch
   Press this switch to turn the air conditioner ON and OFF. While the air conditioner is operating, the indicator light is illuminated. When the variable fan speed switch (**3**) is OFF however, the air conditioner does not work.
2. Room Temperature Adjusting Knob
   A desired temperature can be set within the range of 20°C and 30°C by moving the knob horizontally. When the knob is moved to the left end position, maximum cooling is provided. Move the knob to the right end position for maximum heating.
3. Variable Fan Speed Switch
   This switch is used to set and adjust the fan speed between AUTO, LOW and HIGH. When the switch is set to the OFF position, the fan and air conditioner stop.
4. Auto (Automatic) Switch
   When this switch is pressed, the outlet ports are set to AUTO and the indicator light in the switch is illuminated.
5. Air Vent Changeover Switch
   Press this switch to select the desired air vents. The selected indicator lights in the switch are illuminated.
6. Air Recirculation Changeover Switch
   Whenever this switch is pressed, inside air circulation and outside air intake are changedover. The light illuminates when the switch is in recirculation mode.

Switch display	Purpose
	Face
	Bi-level
	Leg and small amount of DEF
	Demister

Switch indicator		Purpose	
	Light ON	Inside circulate	When driving through tunnels or when involved in a traffic jam
	Light OFF	Air intake	Usual position (ventilated)

FULL AUTO AIR CONDITIONER cont.

Automatic operation

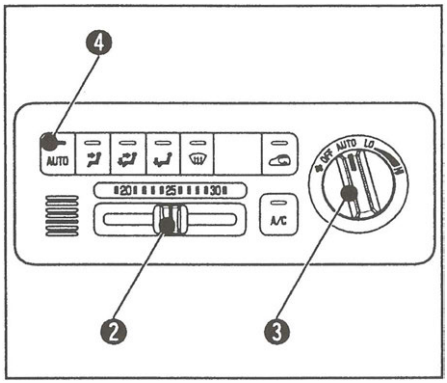
Press AUTO (Automatic) switch (**4**) and turn the variable fan speed switch (**3**) to AUTO.

Set a desired cabin temperature using the TEMPERATURE ADJUST knob (**2**).

Air vents changeover, inside/outside air changeover, air flow and outlet air temperature are controlled automatically.

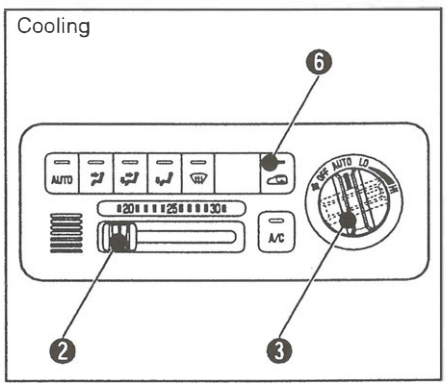
Temperature can be set in the range of 20°C to 30°C.

With the AUTO switch selected, the indicator light in the air vents changeover switch is illuminated, indicating the current status of the air vents.



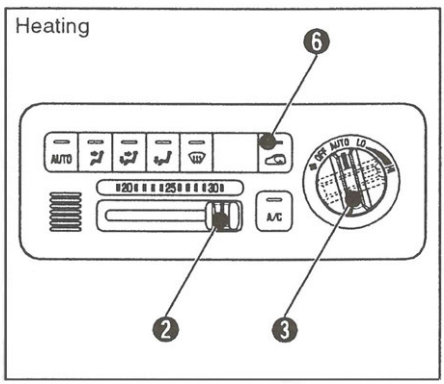
Quick cooling and heating

For quick cooling, turn the variable fan speed switch (**3**) to AUTO or HIGH and bring the temperature adjust knob (**2**) to the left end position.



For quick heating, turn variable the fan speed switch (**3**) to HIGH and bring the temperature adjust knob (**2**) to the right end position. Then press the air recirculation changeover switch to select inside air circulation (**6**).

Quick cooling and heating operations cannot be automatically controlled, but work as maximum cooling and heating.



FULL AUTO AIR CONDITIONER cont.

Notes

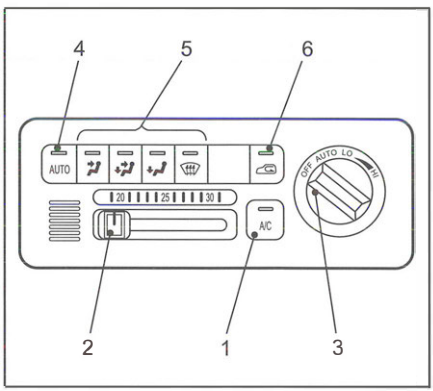
- When the air conditioner is not required, press the A/C button to switch off the air conditioner to reduce fuel consumption.
- Continued maximum heating may cloud the windshield glass and blur front visibility. Therefore, long time maximum heating operation should be avoided.
- After parking for long hours in the sun, open the windows and doors to ventilate the heated air in the vehicle before operating the air conditioner.
- Continued maximum cooling may contaminate the inside air. Introduce outside air by means of the air recirculation changeover switch or open the windows for ventilation.
- During the cooling operation, moist air is quickly cooled and could be sprayed from the outlet ports in a mist form.
- To lubricate the seals of the system, the air conditioner should be switched on for 10 minutes every week, even in winter.

Manual operation

The air conditioner (A/C) switch (**1**), the variable fan speed switch (**3**), the air vents changeover switch (**5**) and the air recirculation changeover switch (**6**) can be used in conjunction with one another.

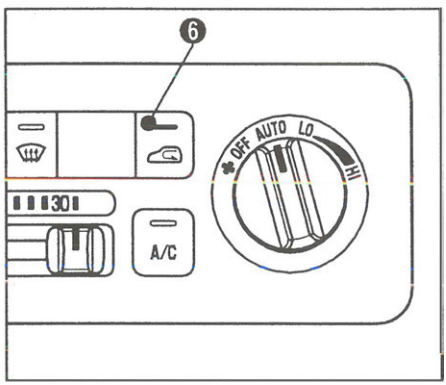
Even in the case of AUTO operation, the manually selected function is given priority. The other functions are still automatically controlled.

To return to AUTO, press the AUTO switch (**4**) and turn the variable fan speed switch (**3**) to the AUTO position.



Recirculate air

When driving through tunnels or when involved in a traffic jam, press the air recirculation changeover switch (**6**) for recirculation.

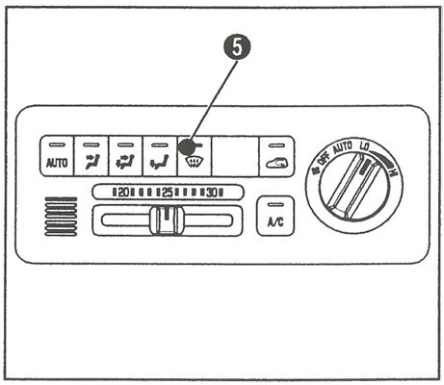


FULL AUTO AIR CONDITIONER cont.

Demisting

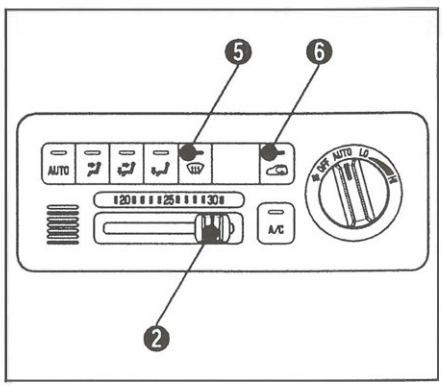
When you want to demist the front/side glass, press air vent changeover switch (**5**). The air conditioner is also actuated.

CAUTION: Be sure not to operate the air conditioner at the maximum cooling position when the changeover switch (**5**) is set to the position. The inside of the glass could cloud and cause poor front visibility.



When you want to defrost quickly, bring the temperature adjust knob (**2**) to the right end position. Press air vents changeover switch (**5**). Press the inside/outside air changeover switch (**6**) for inside air circulation mode.

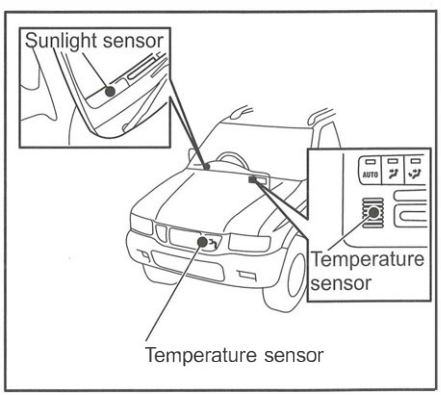
CAUTION: If the air conditioner is operated for a long period in the inside air circulation mode, the glass could become clouded. After defrosting, change over to the outside air intake mode.



Temperature sensors

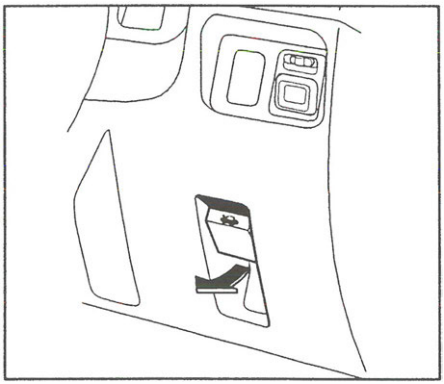
The sunlight sensor coupled with the inside/outside temperature sensors, ensures pleasant air conditioning.

CAUTION: Do not pour liquid over or cover the sensors as accurate air conditioning will not be obtained.

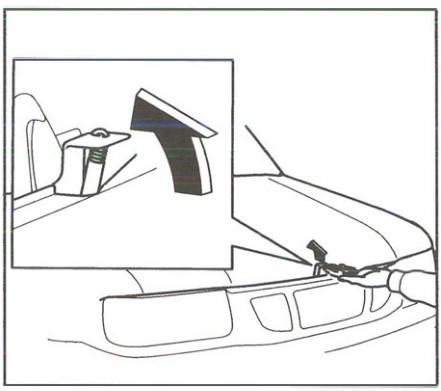


BONNET RELEASE

From inside the vehicle, pull the right hand lever under the driver's side of the dash towards you.



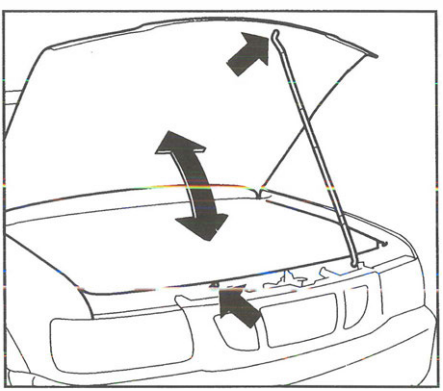
This allows the bonnet to release but is prevented from opening by the safety catch. To open completely, reach in under the centre of the bonnet and move safety catch upwards. Hold in this position and raise the bonnet.



To hold the bonnet in the open position, insert the support rod into the slot provided.

CAUTION: If the engine has been running for a prolonged period of time, do not grip the support rod on the non-insulated sections as they may be hot.

Before closing, return the support rod to its clip on the radiator support panel. Lower the bonnet down and push firmly back into place. After closing check that the bonnet has securely locked down.



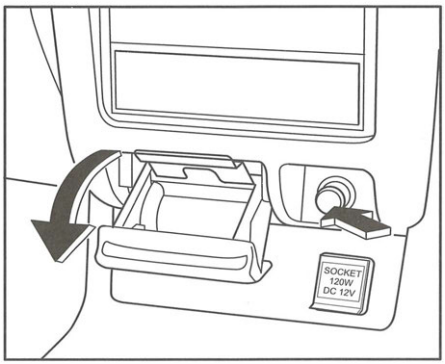
CIGARETTE ACCESSORIES

Lighter

The cigarette lighter is operational when the ignition is turned to ON or ACC.

Press in the lighter knob. When the element is hot the lighter will automatically pop back, ready for use.

CAUTION: Avoid holding the lighter in by hand when it is heating, as damage to the heating element may result.



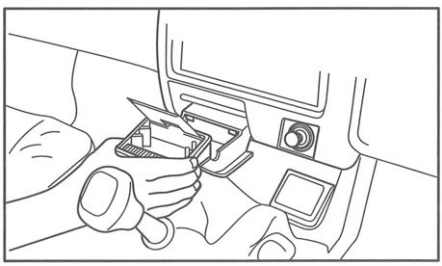
Front ashtray

Ashtrays should only be used for ash, not for combustible rubbish.

To open the ashtray, pull it out.

To close the ashtray, push it back to its original position.

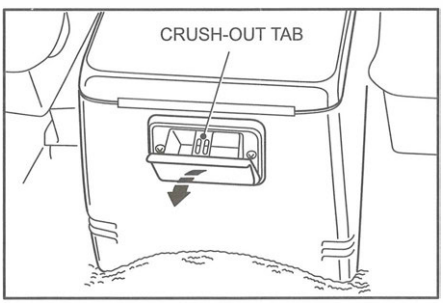
To remove the ashatry for cleaning, depress the sides of the ashtray and pull it upwards and out of the ashtray holder.



Rear ashtray

The ashtray is located at the rear of the centre console. Pull the ashtray out to open it.

To remove the ashtray, open it, push on the tab on the inside and pull the ashtray out.



CRUISE CONTROL (if fitted)

CAUTION: Do not use the cruise control when road or driving conditions could require varying speeds. A constant speed may not be practical in heavy or varying traffic, or on winding, slippery or rough roads. Keep the main switch in the 'OFF' position unless using the cruise control.

With manual transmissions, never attempt to move the gear lever without using the clutch pedal while the cruise control is maintaining vehicle speed. The resultant engine over-revving may cause damage.

Remember that taking your foot off the accelerator when the cruise control is engaged will not reduce vehicle speed. When going up or down hills (particularly when towing) it is possible for the vehicle to gain or lose speed, even though the cruise control is engaged. If this happens while going up a hill, depress the accelerator pedal to maintain the desired speed. If going down a hill, depress the brake pedal, which will both disengage the cruise control and slow down the vehicle.

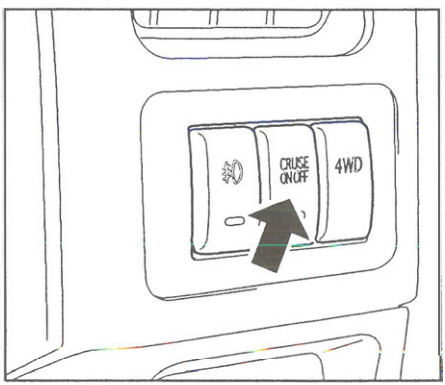
If a malfunction has developed in the cruise control system, have the system checked and corrected by a Holden Dealer as soon as possible.

Manual operation

The cruise control can keep the vehicle at a constant speed so that the driver does not have to use the accelerator pedal. This is useful when driving on an open road where frequent deceleration and acceleration are not required.

The cruise control speed cannot be set below 40 km/h. For your safety, do not use the cruise control when driving in heavy traffic or on winding roads.

Setting a desired speed



Push the cruise control main switch to the ON position so that the indicator light turns on. This light indicates that the cruise control is ready.

Use the accelerator pedal to gain the required speed and push the *SET/COAST* button on the end of the cruise control lever. You can then remove your foot from the accelerator pedal. The vehicle speed will be maintained by the cruise control.

The CRUISE SET light on the instrument panel will also come on to indicate that the cruise control is now maintaining vehicle speed.

CRUISE CONTROL (if fitted) cont.

Accelerating

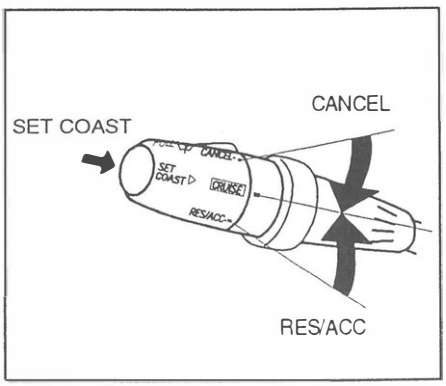
For a short burst of speed to overtake a car, use the accelerator pedal.

When you take your foot off the pedal, the vehicle will slow down to maintain the previous set speed.

Resetting to a higher speed

If you wish to increase the cruise control speed you may either:

- Rotate the end of the lever to *RES/ACC* for less than 1 second. This is known as 'tap up'. Each time you rotate the switch to this position, the cruise control speed will increase by 1.6 km/h.
- Rotate the end of the lever to *RES/ACC* and hold for more than 1 second. The cruise control speed will increase until you release the lever.
- Use the accelerator pedal to increase to the required speed, then push in the *SET/COAST* button on the very end of the lever for less than 1 second and release.



Resetting to a lower speed

If you wish to decrease the cruise control speed you may either:

- Depress the *SET/COAST* button for less than 1 second. This is known as 'tap down'. Each time you depress this button, the cruise control speed will decrease by 1.6 km/h. If you tap down to lower than 40 km/h, the cruise control will cease to operate.
- Depress and hold the *SET/COAST* button. Wait until the vehicle slows to the desired speed then release the button. If you coast down to lower than 40 km/h, the cruise control will cease to operate.

CRUISE CONTROL (if fitted) cont.

Stopping cruise control

To stop the cruise control while vehicle speed is maintained by the cruise control, you can either:

- Depress the brake pedal.
- Depress the clutch pedal (manual transmission).
- Once the vehicle has stopped, shift the transmission lever to N (automatic transmission).
- Turn the end of the cruise control lever to the CANCEL position.
- Use the *SET/COAST* button to reduce the cruise control speed.
- When the *SET/COAST* button is used to reduce the cruise speed by more than 19 km/h below the preset speed, the cruise control will stop controlling the cruise speed. However, the memory will store the last preset speed. To resume this speed, use the accelerator pedal to bring the vehicle speed to within 19 km/h of the desired speed, then rotate the end of the cruise control lever to *RES/ACC* for less than 1 second.

  Note: If the switch is held for more than 1 second, the memory will be erased and the cruise control will be in the *ACC* mode (the speed will increase until you release the switch).

To completely switch off the cruise control, you may either:

- Depress the cruise ON/OFF switch on the dash.
- Depress the *SET/COAST* button and turn the end of the lever to the *RES/ACC* position at the same time.
- Stop the vehicle and turn the ignition OFF.
- If the cruise control senses trouble in the system it may cancel itself. For example when going up steep hills it may be difficult for the cruise control to maintain a constant speed.

POWER OUTLETS

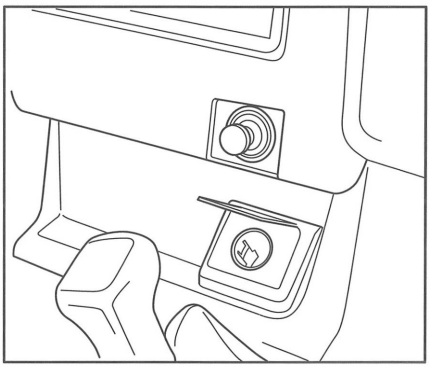
Two power outlets are provided on all vehicles.

The power outlets are operational when the ignition is turned to ON or START.

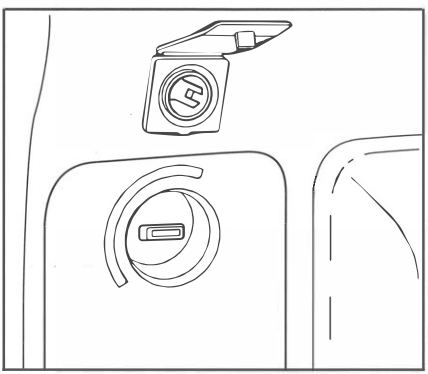
Any accessory device, such as a mobile phone or car fridge, connected to the power outlet must not exceed a current draw of 10 amps.

CAUTION: Always turn off any electrical equipment when not in use. Leaving electrical equipment on for extended periods will drain the vehicle's battery.

One power outlet is located forward of the gear shift lever underneath the cigarette lighter.



The other power outlet is mounted on the left-hand side wall of the load compartment.



NOTES

CHAPTER 2

Locks

Page

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2-4 Keys & Locks

2-4 Child Safe Door Locks

2-5 Ignition Lock & Immobiliser

2-6 Tailgate Lock

2-7 Glovebox Lock

KEYLESS ENTRY

Two remote controls are provided with your Frontera. Operating the remote control allows the front and rear doors, the tailgate and the fuel cover to be locked and unlocked without using the key in the lock.

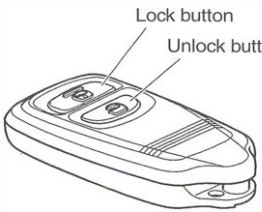
Additional remote controls can be supplied and programmed by your Holden Dealer. Up to four remote controls can be programmed to operate the keyless entry system.

Press the LOCK button of the remote control within about 3 metres of the centre of the vehicle, and all the doors, tailgate and fuel cover will lock. Press the UNLOCK button and they will unlock.

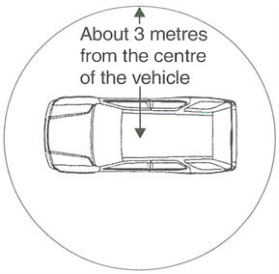
If you press these buttons when the front interior light switch is in the central position, the light will illuminate to provide lighting for night time entry and to indicate correct remote control operation.

- UNLOCK – the turn signal lights will flash twice and the front interior light is switched on for 30 seconds. If you open the door within the 30 seconds, the light will remain on until you close the door.
- LOCK – the turn signal lights will flash once and the front interior light also flashes once.

Remote control (Transmitter)



Effective area of remote control



CAUTION: Precision electronic parts are built into the remote control. To prevent transmitter trouble:

- Don't leave the remote control key in direct sunlight or on the instrument panel.
- Don't treat the remote control carelessly.
- Don't get the remote control wet.

When the ignition key is inserted in the ignition and the door is opened, the LOCK and UNLOCK buttons will not work.

If any of the following actions are not undertaken within 30 seconds of the doors being unlocked by the remote control, the doors will automatically lock:

- Opening the door.
- Inserting the key into the ignition.
- Locking the doors by operating the remote control.

The effective area of the remote control may sometimes vary depending on the surroundings and the state of the remote control batteries.

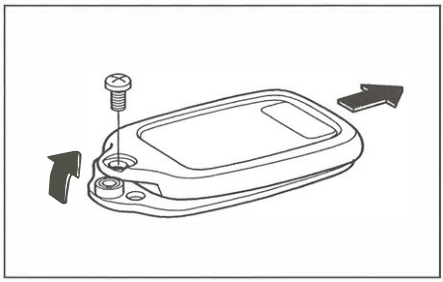
KEYLESS ENTRY cont.

Changing the batteries

If the keyless entry function fails to operate or operates only at close range, the remote control batteries may have reached the end of their service life.

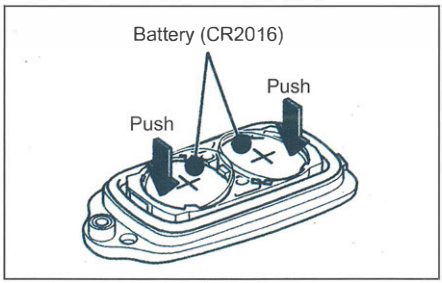
If it is suspected that the remote control batteries are flat, replace them by following the procedure below:

- Remove the screw, let the back cover slide while lightly pulling up its screw hole end.



CAUTION: When changing the batteries, do not pull up the back cover roughly as it could be damaged.

- Remove the batteries from the back cover side by carefully pushing on the batteries where shown in the diagram.
- Install new batteries correctly with the + pole and – pole installed on the correct sides (refer diagram). Install and lightly tighten the back cover with the screw.



Recalibrating remote control transmitter

Keyless entry will not work immediately after the batteries are changed. The remote control buttons must be operated three or more times so that the memory code in the vehicle can correspond to the remote control code of the transmitter. If the transmitter does not function after the re-calibration operation, contact your Holden Dealer.

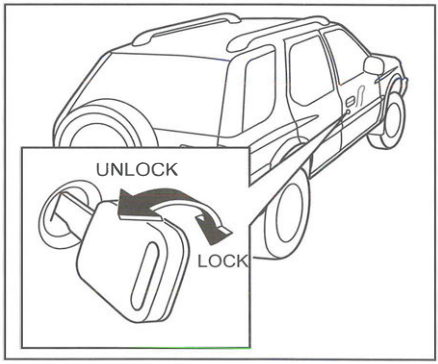
Use CR2016 batteries, which can be purchased at watch and camera shops. Used batteries should be disposed of carefully. Both batteries should be replaced at the same time. To avoid battery leakage, install the battery with its poles positioned correctly.

KEYS & LOCKS

Key

The one key operates all locks and the ignition. Make a note of the key number and keep the key number and the spare key in a safe place, *not in the vehicle.*

Manual door Locks

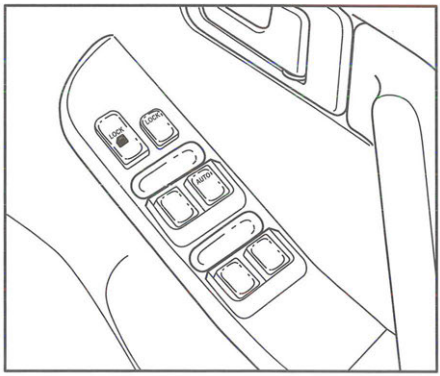


All doors are fitted with manually operated lock buttons. Doors are locked when the lock button is down and unlocked when the lock button is up.

The lock button on the driver's door cannot be depressed when the driver's door is open, thus preventing the driver from being inadvertently locked out.

The front doors are fitted with key operated door locks.

Central locking

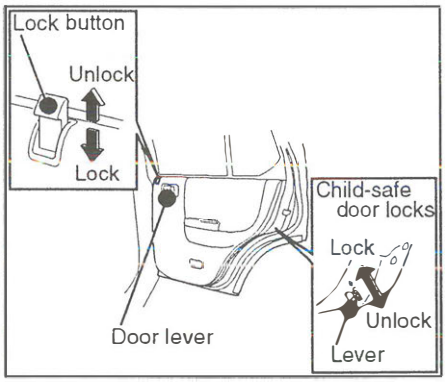


Your vehicle is fitted with central locking for all doors, the tailgate and fuel filler cover. This function can only be carried out from the driver's door.

To lock all the doors, turn the key in the driver's door lock clockwise. To unlock all the doors, turn the key in the driver's door lock anti-clockwise.

Regardless of ignition position, all doors can be locked and unlocked while sitting in the vehicle. Depress the top larger lock button located on the armrests of the driver's and front passenger's doors. To unlock, press the button again.

Child safe door locks



The rear doors can be locked to prevent children from opening them from the inside.

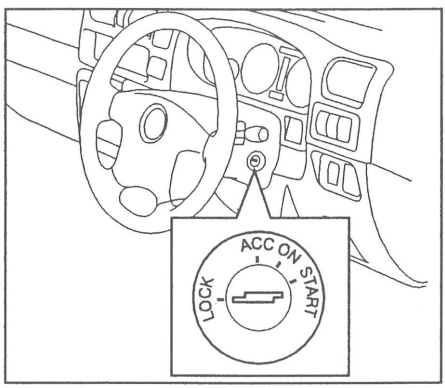
To engage the child safe lock, depress the lever shown in the illustration. To disengage the lock, open the door from the outside and select the unlock position.

Setting the child safety door lock lever to the LOCK position overrides the inside door handle function on that door only. If the child safe lock is in the LOCK position the door can only be opened from the outside.

IGNITION LOCK & IMMOBILISER

CAUTION: Do not turn the engine off while the vehicle is moving or there will not be any power assist for brakes or steering. Never remove the key while the vehicle is moving, as this will lock the steering.

The ignition lock has four positions:



LOCK

Steering will be locked when the key is removed.

The key is inserted and removed only from the LOCK position.

ACC (Accessories)

Ignition off, some accessories can be used.

ON

Ignition on.

Do not leave the switch in the ON position for a prolonged period, unless the engine is running, otherwise you may flatten the battery.

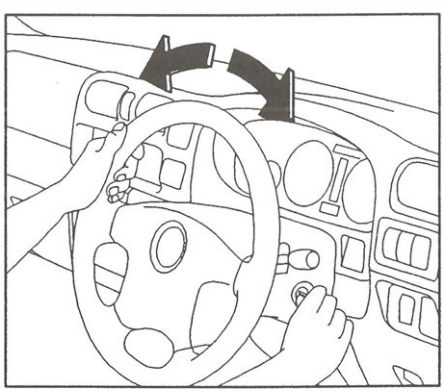
START

Operates the engine starter motor.

Releasing the steering lock

The steering is automatically locked when the key is removed. To release the steering lock, re-insert the key and turn it clockwise.

If you have trouble turning the key to unlock the steering, turn the steering wheel slightly to the right or left while turning the key clockwise.



Immobiliser

To provide additional security, your Frontera is fitted with a vehicle immobiliser. The engine will not crank unless the correct key (correctly programmed) is used. Any additional or replacement keys must be purchased from, and programmed by, a Holden Dealer.

If the immobiliser system has developed a fault or an incorrectly programmed key is used to attempt to start the vehicle, the CHECK ENGINE light will begin to flash.

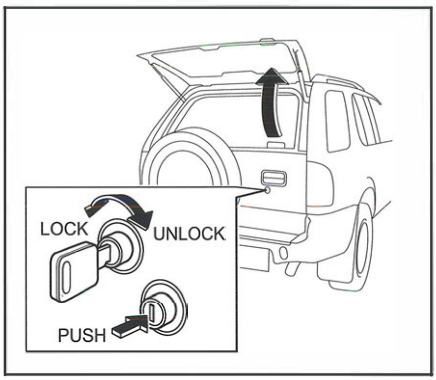
TAILGATE LOCK

Tailgate

To unlock the tailgate, insert the key in the lock and turn to the right until you hear a 'click'.

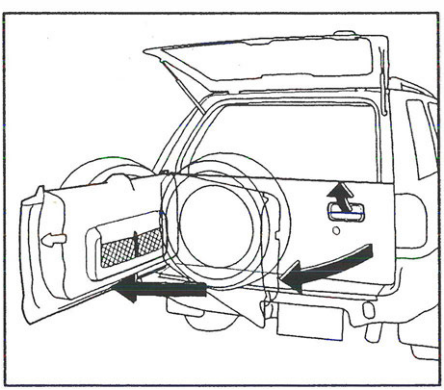
To lock the tailgate, insert the key in the lock and turn to the left until you hear a 'click'.

CAUTION: Do not attempt to open the tailgate until the hatch glass window has been raised.



To open the hatch glass window, depress the push button. This will release the latch. Use the handle to raise the hatch glass window, which will be held in position by two struts.

To open the tailgate after the hatch glass window has been opened, raise the tailgate handle and open by swinging the tailgate out towards you. The tailgate is held in place by a 3 position staybar.



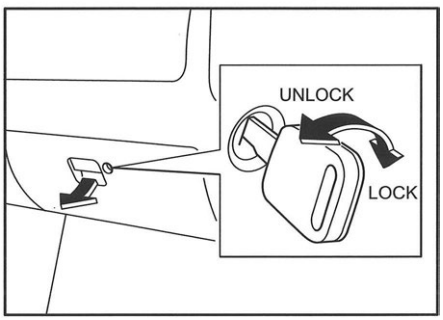
To close the tailgate, push it back towards the vehicle with sufficient force to close it fully, and lower the hatch glass window.

Note: The vehicle cannot be centrally locked from the tailgate lock.

GLOVEBOX LOCK

To lock, insert the key, turn it 90 degrees clockwise and then withdraw. To unlock, insert the key and rotate 90 degrees anti-clockwise.

To open, lift the latch upwards and let the lid fall downwards. To close, push the lid upwards and firmly back into place.



NOTES

CHAPTER 3

Body Features

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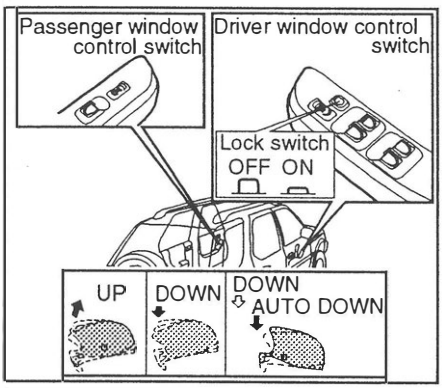
3-3 Mirrors
3-4 Head Restraint Adjustment
3-5 Front Seat Adjustment
3-6 Rear Seat Adjustment
3-8 Seat Belts & Restraints
3-10 Child Restraints
3-12 Interior Lights
3-14 Interior Features
3-16 Park Brake

ELECTRIC WINDOWS

The electric windows are operational when the ignition switch is turned to ON or START. If the switches do not work, check the circuit breaker (Refer Chapter 6).

Control switches



The main control switch panel is on the driver's door armrest and contains an electric window override LOCK switch plus one rocker switch for each window.

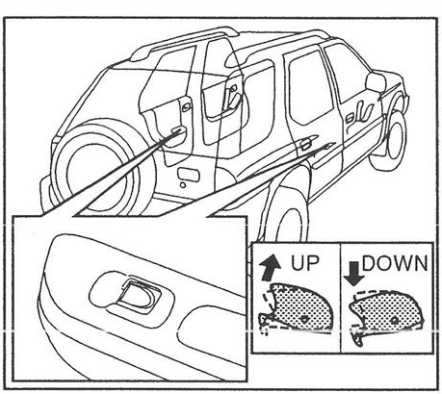
Pull up the front section of each switch to close a window, or push down the front section of the switch to open the window.

The driver's window is fitted with an 'auto down' facility. This means that if only slight pressure is used on the switch the window will open until the switch is released. If firm pressure is used however, the window will completely open even after the finger is removed from the switch.

When depressed, the LOCK switch will stop movement of all the passenger windows, either from the individual door switches or from the main control switches.

NOTE: The LOCK switch does not affect movement of the driver's window. Press the lock switch to restore passenger window movement.

Passenger door switches

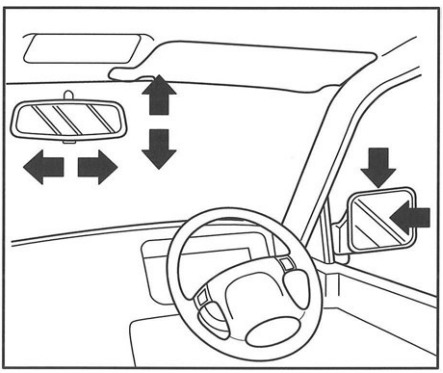


Individual rocker switches are located on each passenger door.

Pull up the front section of the switch to close the window, or push down the front section of the switch to open the window.

MIRRORS

Rear view mirrors

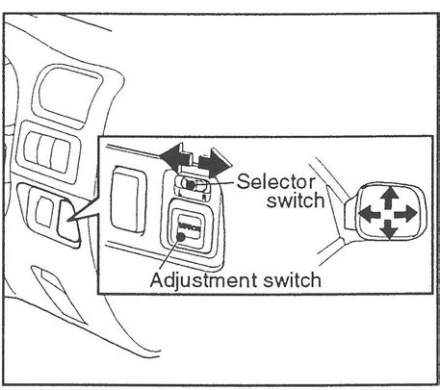


The internal rear view mirror can be manually tilted up and down or side to side for correct positioning.

Move the lever on the lower edge of the internal rear view mirror to reduce dazzle at night.

The external rear view (electric) mirrors are adjusted as described below.

Electric mirrors



The adjustment switches for the electric mirrors are located on the right hand side of the dash and are operational when the ignition is turned to ON or ACC. Moving the glass of the mirrors forcibly by hand will damage them.

Push the selector switch to the left to enable movement of the left mirror. Push the selector switch to the right to enable movement of the right mirror. Pushing the selector switch to the middle will disengage movement.

Push the edges of the square underneath the selector switch to move the mirror up, down, left or right. It is not advisable to adjust the mirrors while driving.

The left mirror is convex shaped to provide a wider view. Objects appear further away than they actually are.

Exterior mirrors are heated when the rear window demister is activated.

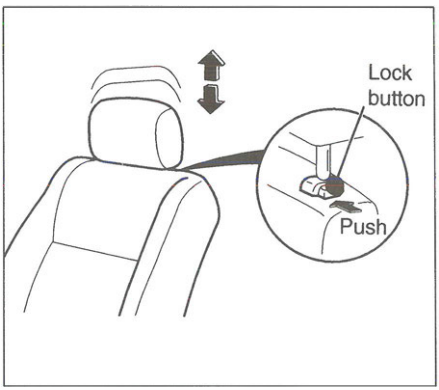
HEAD RESTRAINT ADJUSTMENT

Adjusting head restraints

This safety feature is not intended as a headrest. It is provided for the reduction of whiplash neck movement in an accident.

To adjust the height of the head restraint, pull up or push down whilst depressing the lock button.

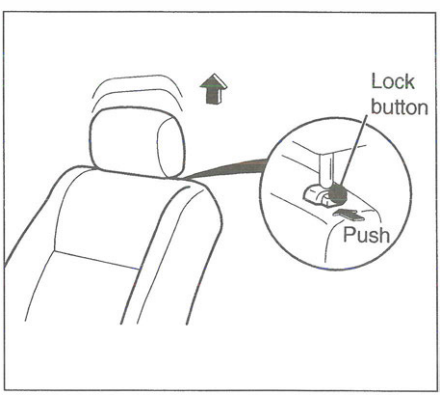
The upper edge of the head restraint should be approximately at eye level – not at neck level.



Removing head restraints

To remove the head restraints, depress the lock button and pull the restraint up until it is clear of the seat.

You should not drive the vehicle with the head restraints removed, as they reduce the chance of whiplash in an accident.

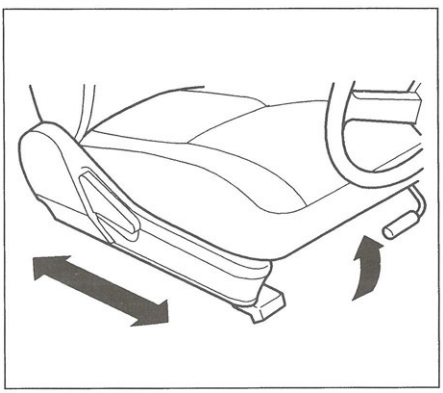


FRONT SEAT ADJUSTMENT

Forward and rearward

Lift up the lever at the front inside of the seat, then slide the seat forwards or backwards. Release the lever. Try to move the seat back and forth to check that the catch is fully engaged.

Never adjust the driver's seat when the vehicle is moving, as the seat could move suddenly, causing the driver to lose control.

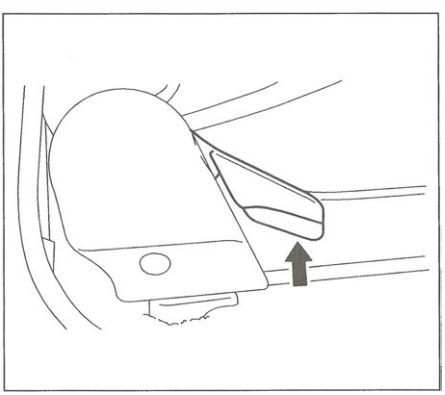


Reclining seatback

Inclination of the seatback of the front seats can be adjusted using the following steps:

1. Sit in the seat.
2. Pull the lever on the door side of the seat upwards.
3. Push your weight back against the seatback until you reach the desired incline.
4. Release the lever.

To raise the seatback, pull the lever upwards and lean forward to the position at which you are most comfortable.



CAUTION: To avoid reducing the effectiveness of seat belts, seatback rests should only be semi-reclined when the vehicle is moving.

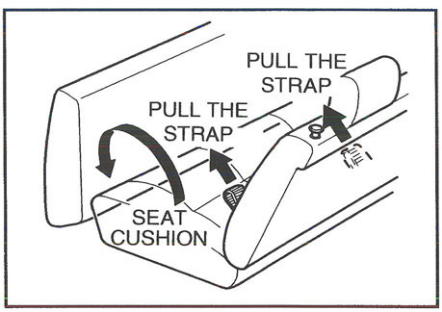
REAR SEAT ADJUSTMENT

CAUTION: To avoid injury, keep your hands and feet clear of the rear seat when folding and unfolding the seat.

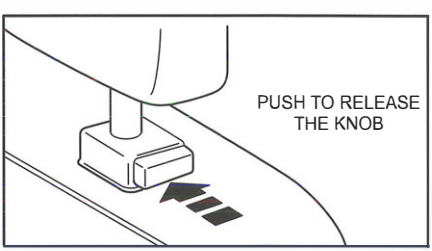
The rear seat can be folded forward to provide additional cargo area.

Folding

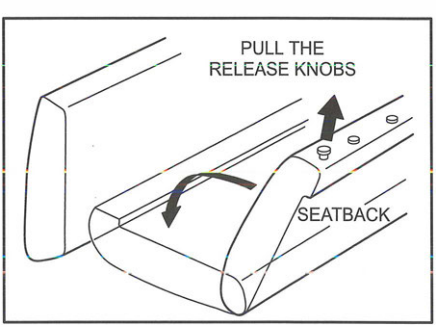
1. Pull the strap forward and fold the seat cushion up.



2. To remove the head restraints, press the release knob and pull up the restraint.

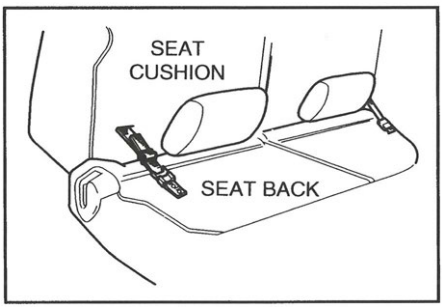


3. Pull the release knobs on both the right and left side of the seatback, and pull the seatback forward to fold it down.



REAR SEAT ADJUSTMENT cont.

4. Attach the band on the bottom of the cushion to the clasp on the seatback.
5. Insert the head restraints between the seatback and the seat cushion.



Unfolding

1. To raise the seatback, pull it up to the locked, upright position.
2. When latching the rear seat cushion to the floor, push the cushion with enough force to lock it. Confirm it is locked by pulling the seat belt buckle upwards.
3. Make sure the head restraints are properly reinstalled on the top of the seatback.

CAUTION: Do not permit anyone to ride in the cargo area or on the rear seat while it is folded down during vehicle operation. Rear seat occupants should be seated in the seat only when it is in the locked, upright position. Rear seat passengers should be properly restrained at all times.

Always check to see that both the seatback latches are engaged.

Failure to lock the rear seat securely to the floor and engage the back latches could increase the risk of personal injury in an accident.

Failure to properly route the seat belts could result in damage to the belts, reducing their effectiveness in an accident.

SEAT BELTS & RESTRAINTS

Australian law requires that the driver and all passengers be properly restrained at all times with the seat belts provided in the vehicle. Failure to do so could increase the chance of injury and/or the severity of injury in accidents.

CAUTION:

Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis, or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

Care should be taken to avoid contamination of the webbing with polishes, oil and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.

It is essential to replace the entire assembly after it has been worn in a severe impact, even if damage to the assembly is not obvious.

Belts should not be worn with straps twisted.

Each seat belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.

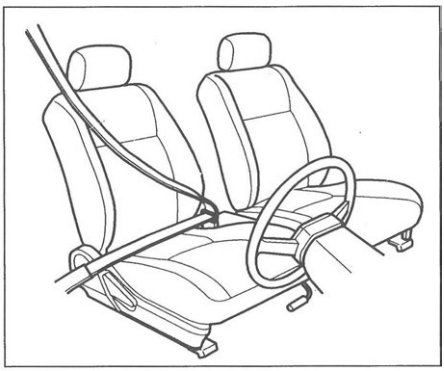
No modification or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.

The positioning of the tongue restrictor must never interfere with, or stop, the belt from fully retracting.

Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts, harnesses or for attaching other items or equipment to the vehicle.

SEAT BELTS

Lap/sash belts



To fasten, pull the metal tongue across your body and clip into the buckle. When the metal tongue has locked safely into place you will hear a 'click'. After fastening, settle the belt at the hip, and ensure that is goes across to the buckle, then up under the sash. Any extra belt length will retract automatically.

The lap section should be worn as low as possible on your hips, not on your waist. Make sure the belt is free from twists and fits firmly.

The "emergency-locking retractor belt" allows you to move while the vehicle is travelling normally, but will lock immediately on rapid deceleration, impact with a solid object or any quick movement by the wearer.

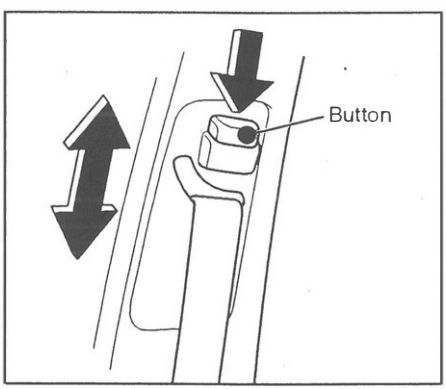
To undo the belt, press the release button on the buckle and allow the belt to retract. Check that it fully retracts without twisting or turning.

Seat belt height adjustment

Seat belt height adjustment mechanisms are fitted to both the front and rear seat belts.

CAUTION: Do not adjust while driving.

- Push the button down and slide the belt guide up or down.
- Release belt guide at the required position and ensure belt guide has clicked into position.
- Short people should select a low belt guide position, tall people a higher one. This will ensure, for both safety and comfort, that the sash of the seat belt fits correctly across the body.



Child restraint locking mechanism

The seat belts for the rear outer seats and front passenger seat have an additional locking mechanism designed for securing child restraint seats. When the belt is pulled all the way out, the locking mechanism will only permit the belt to retract.

Note that it is always better to install a child restraint in the rear seat.

If the belt is inadvertently pulled all the way out, let the belt fully retract before using it for normal passenger restraint.

Refer to page 12 of this Chapter for further information.

CHILD RESTRAINTS

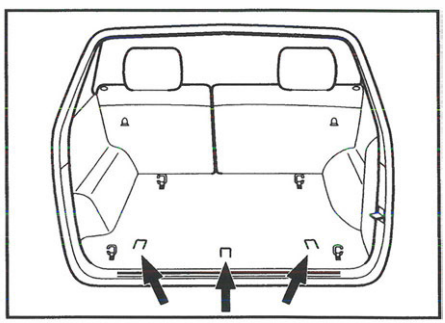
Children should be restrained at all times when travelling in a vehicle.

Up to the age of about 6 months, babies should be carried in a rearward-facing infant capsule. Between the ages of 6 and 12 months, they should be in a rearward-facing child seat. Between the ages of 12 months and 3 years, children can be carried in a forward facing infant seat. When they outgrow this type of seat (approximately 3 years old depending on their height and weight) children can be seated in an approved booster seat, restrained by a lap/sash safety belt. By the age of approximately 6 years, when they weigh more than 32 kilograms and are over 100 cm tall, children can graduate to a lap/sash seat belt alone.

Always ensure that the seat belt fits firmly around the infant capsule/seat.

If a child can't see out of the window, don't raise him/her by means of an ordinary cushion. It will not stay in place in a crash and the child may slip out of the seat belt and become entangled.

There are three anchorage points for child restraints.



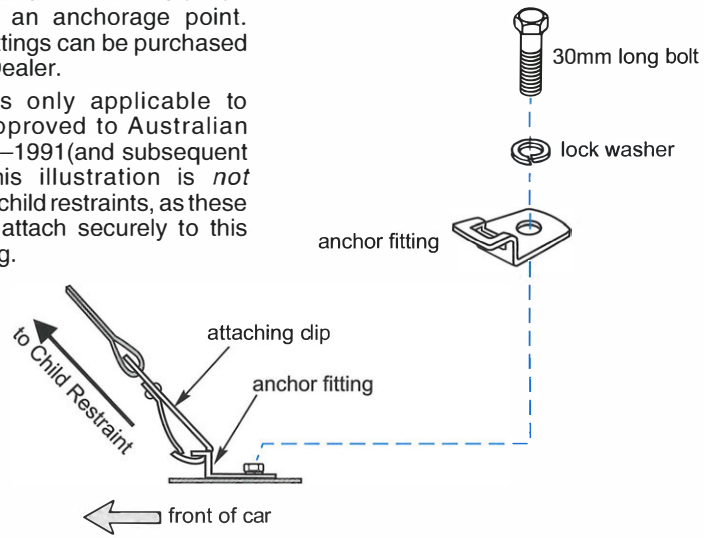
One anchor fitting is already installed in your vehicle in one of the anchorage points.

Only approved child restraint harnesses should be used on anchorage points. See your Holden Dealer for advice about the various types of approved child restraints available.

CHILD RESTRAINTS cont.

The illustration shows how to install an anchor fitting into an anchorage point. Additional anchor fittings can be purchased from your Holden Dealer.

This illustration is only applicable to child restraints approved to Australian Standard AS1754 –1991(and subsequent amendments). This illustration is *not* applicable to earlier child restraints, as these restraints may not attach securely to this type of anchor fitting.



The rear outer seat belts have a locking feature for improved restraint of child safety seats. To activate the belt locking mechanism:

- Pass the belt through the child safety seat and secure in the buckle.
- Slowly pull the entire length of belt from the inertia reel. A ratchet will then latch.
- Release the belt such that the child safety seat is held firmly in place. As the belt retracts, the ratchet mechanism can be heard working and the belt is locked (cannot be extended).

To release the belt locking feature:

- Undo the belt at the buckle and pass through the child safety seat.
- Allow the belt to fully retract.
- Once fully retracted, the locking ratchet is released and the belt returns to 'normal' operation.

CAUTION: If the anchor bolt is removed from the floor the hole must be effectively sealed to prevent exhaust gases entering the vehicle interior. Either another suitable bolt or plug originally fitted in the hole should be used.

INTERIOR LIGHTS

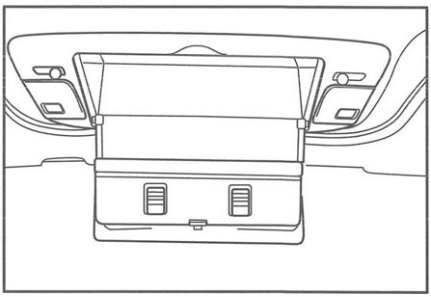
Reading lights (Frontera SE)

The reading lights are located above the rear view mirror, and contain a sunglasses/ card holder which can be pulled down using the tab.

Flick the switches inward to turn on.

Flick the switches outward to turn off.

The reading lights will work at any given time



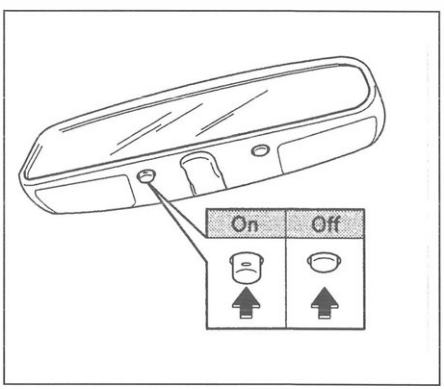
Reading lights (Frontera & Frontera S)

The reading lights are located on the underside of the rear view mirror.

To turn the lights on push the switch.

Push the switch again to turn off.

The reading lights will work at any given time.



Front interior light

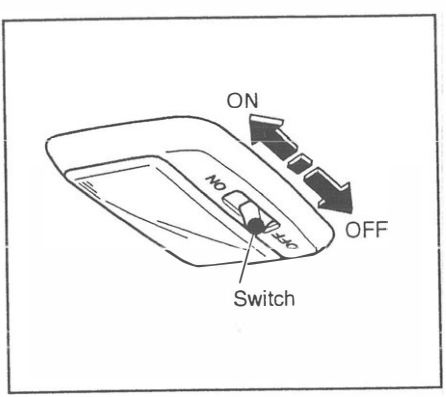
The front interior light is located directly above the centre console storage box. The position of the switch will determine the illumination of the light.

ON = On constantly. Will work in this position at any given time.

OFF = Off

Centre = The light will illuminate when a door is opened and will turn off when all doors are closed.

For information on the keyless entry 'answer-back' function, refer to Chapter 2.



INTERIOR LIGHTS cont.

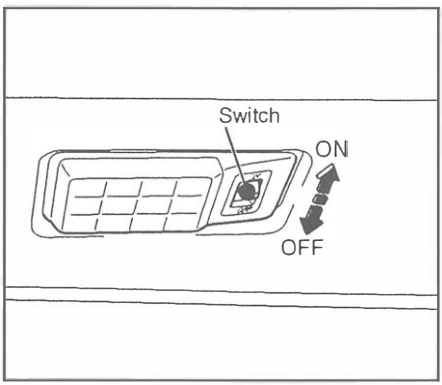
Load compartment light

The load compartment light is located on the roof just inside the tailgate. The switch has three positions:

ON = On constantly

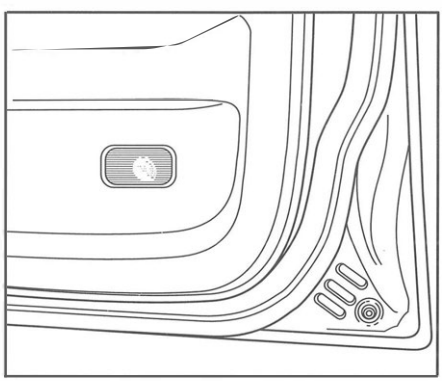
OFF = Off

Centre = The light will illuminate when the tailgate is opened and will turn off when the tailgate is closed.



Front door courtesy lights

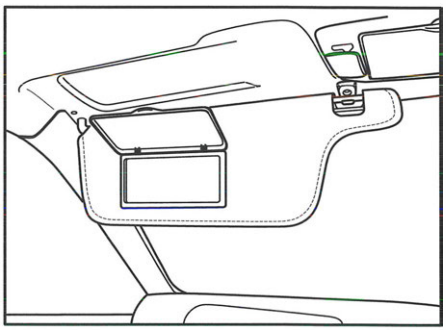
The front door courtesy lights are located on the inside rear of the front doors. They will automatically turn on when the driver's door or any passenger door is opened and will turn off when all doors are closed.



INTERIOR FEATURES

Sunvisor vanity mirrors

The sunvisors can be pivoted to the side when unhooked. Vanity mirrors are located on the rear face of both the driver and passenger side sunvisors.

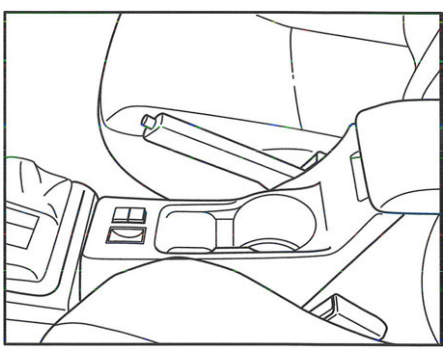


Centre console

The centre console is located between the two front seats. Lift the front edge of the armrest to open the storage compartment.

The armrest lid opens to a near vertical position and should not be forced further backwards.

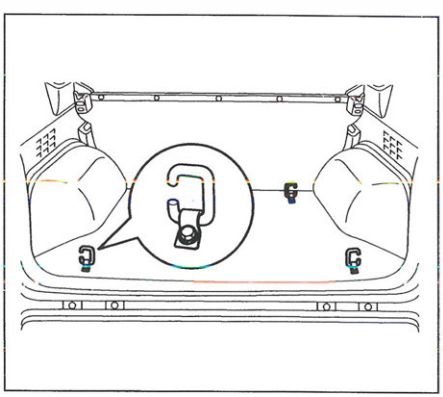
The centre console also provides a coin holder and a can/cup holder.



Tie-down hooks

The tie-down hooks are located on the floor of the load compartment, and should only be used to safely secure loads when the vehicle is moving.

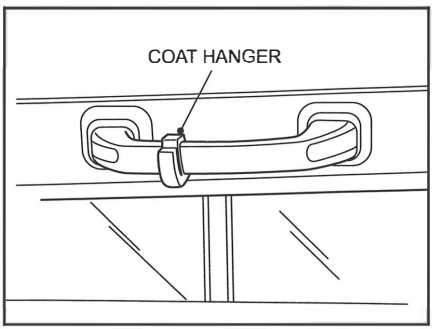
CAUTION: Safely secure all cargo in the load compartment using the available straps and tie-down hooks to prevent it from being thrown about during sharp turns or sudden stops.



INTERIOR FEATURES cont.

Assist grips

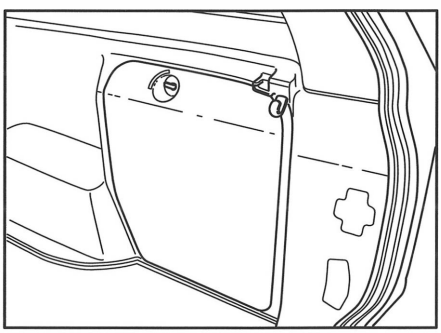
Assist grips are located above the driver and passenger windows to help occupants when getting in and out of the vehicle. The assist grips above the rear doors include a coat hanger.



Load compartment storage box

A load compartment storage box is located in the right hand trim panel in the luggage compartment.

It can be opened by turning the cover retainer clockwise.



Rear cup holders

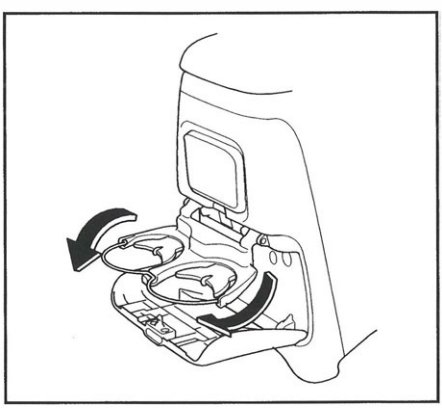
The two rear cup holders are located at the rear of the centre console, underneath the ash tray.

To access the cup holders, pull down the flap using the tab provided, to reveal the base of the holder.

Pull the piece of curved wire down and out to reveal the cup holder.

CAUTION: Be careful when using the cup holders, as they will not prevent liquids from being spilt during abrupt stops or steering manoeuvres. Spilt liquids may spoil or damage the interior of your vehicle.

The cup holders are designed to hold standard size soft drink cans and smaller size bottles. They may not fit larger drink bottles or cups, and these should not be forced in or they may become jammed.



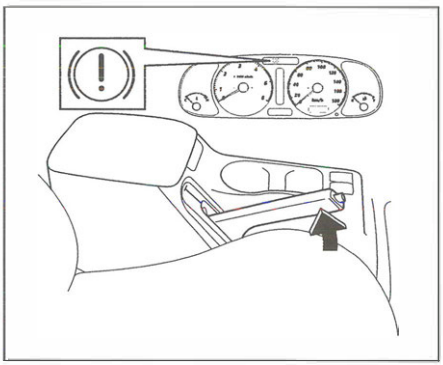
PARK BRAKE

Park brake

The park brake lever is on the centre console, between the front seats.

To apply, pull the lever straight up, without pressing the release button. To release, pull the lever slightly upwards until you hear a 'click', push in the release button on the end of the lever and whilst depressed, lower the lever all the way down.

When the engine is running, a symbol on the instrument panel will indicate if the park brake is applied.



CHAPTER 4

Driving

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4-4 Manual Transmission

4-5 Automatic Transmission

4-8 Four-Wheel Drive (without Torque On Demand)

4-10 Four-Wheel Drive (with Torque On Demand)

4-13 Driving Precautions

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4-15 Your 4WD

4-18 Anti-lock Braking System

SAFETY

Before entering the vehicle

1. Check that windows, mirrors and lights are clean.
2. Visually check tyre inflation (check with a pressure gauge each week).

Before driving off

1. Be sure that all doors are closed and secured.
2. Position your seat for comfortable driving.
3. Adjust rear vision mirrors.
4. FASTEN SEAT BELTS.
5. Check that all the warning indicators light up when you turn the key to start the engine.
6. Check that the park brake is fully released.

Parking

1. Apply the park brake.
2. Place manual transmissions in REVERSE or FIRST gear, and automatic transmissions in PARK.
3. Switch off all exterior lights.
4. Shut all windows.
5. Turn ignition key to LOCK and remove the key.
6. Lock all doors.

CAUTION: Be careful where you park or drive. As with any vehicle, do not park or operate this vehicle in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust system.

Never leave the engine running in an area such as a closed garage or underground car park.

ENGINE STARTING & STOPPING

Starting the engine

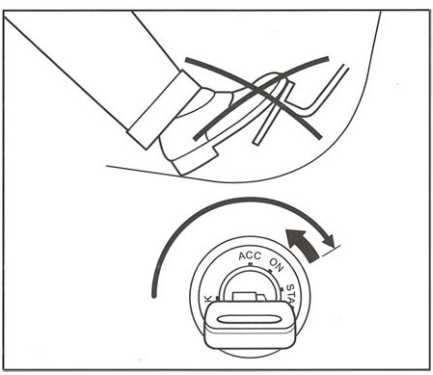
1. Ensure the park brake is firmly applied and release only after you have started the engine and are ready to drive off.

2a. Manual Transmission
Depress the clutch pedal and shift the gear lever to Neutral position. The clutch pedal can now be released.

2b. Automatic Transmission
Move the gear shift lever to P (park) or N (neutral) position. The engine will not start if it is in any other position. In order to shift the transmission lever out of the PARK position you must:

- have the ignition in the ON position,
- depress the brake pedal.
- depress the release button on the right side of the gear shift lever.

3. Start the engine as outlined, with your foot off the accelerator.



For cold or hot starting the procedure is the same. Simply turn the key to the START position and release when the engine starts.

YOU DO NOT HAVE TO DEPRESS THE ACCELERATOR PEDAL PRIOR TO, OR DURING STARTING. DEPRESSING THE ACCELERATOR PEDAL WILL ONLY INCREASE CRANKING TIME AND WILL NOT HELP THE ENGINE TO START.

If the engine won't start and the CHECK ENGINE warning light on the instrument panel is flashing, turn the ignition key to LOCK for at least 2 seconds before attempting to start the engine again.

If the engine does not start after prolonged cranking and the CHECK ENGINE warning light on the instrument panel is NOT flashing, the engine may have flooded with fuel. To clear a suspected flooded engine, depress the accelerator pedal to the floor and crank the engine for approximately 5 seconds. Wait approximately 15 seconds and crank the engine again with your foot removed from the accelerator pedal.

You should not subject the engine to high load conditions such as full acceleration or high speeds until it has completely warmed up, otherwise you may cause premature engine wear or engine damage.

Stopping the engine

If the engine temperature is very high, e.g. after driving in mountainous terrain or after a long hard run, allow the engine to idle for approximately two minutes before you turn it off so as to prevent excessive heat build up.

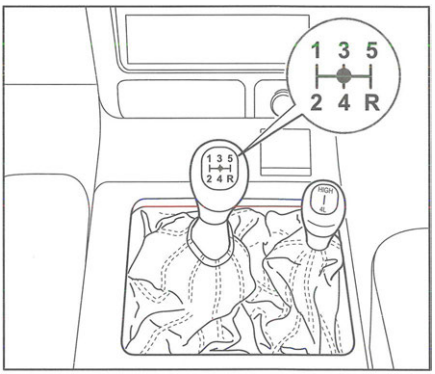
MANUAL TRANSMISSION

The transmission has five forward gears and a reverse gear. The shift pattern illustrated, is also found on the top of the gear shift lever.

The • mark in the illustration represents neutral position.

When selecting 5th gear you must shift the gear lever sideways against spring pressure in order to move the lever into the 5th gear position.

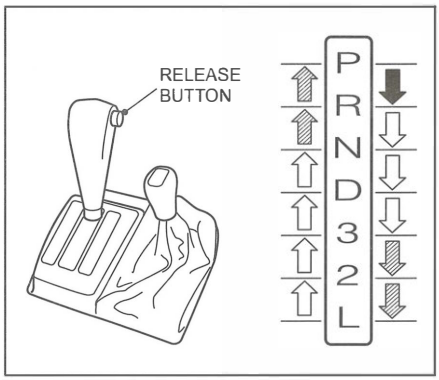
When selecting reverse (R) gear you should wait at least 3 seconds after depressing the clutch pedal before shifting the gear lever sideways (against spring pressure) into the reverse gear position.



Operating notes

- When shifting from one gear to another, be sure to depress the clutch pedal fully to avoid clashing and possible chipping of the transmission gears.
- Never attempt to engage reverse gear until the vehicle has completely stopped. A pause (of three seconds) between depressing the clutch pedal and moving into reverse gear is desirable to allow all the rotating components to stop and avoid gear clashing. Whenever reverse gear is selected with the ignition ON, the reverse lights will operate.
- If the gear does not engage easily, release the clutch pedal with the gear shift lever in neutral and depress again, then repeat the gear selection.
- Shift the gear lever with a moderate effort to allow time for the transmission synchromesh to work properly.
- To avoid damage to the clutch, do not drive with your foot resting on the clutch pedal.
- When stopped on an incline, do not hold the vehicle by slipping the clutch. Use the park brake or foot brake.
- When climbing steep grades, change down to a lower gear before the engine starts to labour. To maintain safe speeds on a steep downgrade and to reduce brake wear and overheating, shift into a lower gear before starting the descent.
- Do not over speed the engine when shifting down to a lower gear.
- 4th gear provides a direct drive, and 5th gear an overdrive.

AUTOMATIC TRANSMISSION



To move the gear shift lever out of P (Park) as indicated by the black arrow, you must:

- turn the ignition ON,
- place your foot on the brake pedal,
- depress the release button on the right hand side of the gear shift lever.

The gear shift lever will move freely in the direction indicated by the white arrows without depressing the release button.

The gear shift lever will select the gears indicated by the striped arrows only when the release button is depressed.

The gear shift lever position is also shown with an indicator light in the centre of the instrument panel.

Park, **N**eutral, **D**rive, **3**, **2** and **L** are indicated with a green light. **R**everse is indicated with an orange light designed to remind you to ensure that the vehicle is brought to a complete stop before moving the gear shift lever to a forward gear position.

The key cannot be removed from th ningition unless the gear shift lever is in PARK.

Check transmission

The CHECK TRANS light on the dashboard is displayed for a few seconds when the key is turned to ON to show that automatic transmission electronic controls are functioning correctly (Refer Chapter 1 for light location).

CHECK
TRANS

If CHECK TRANS is flashing

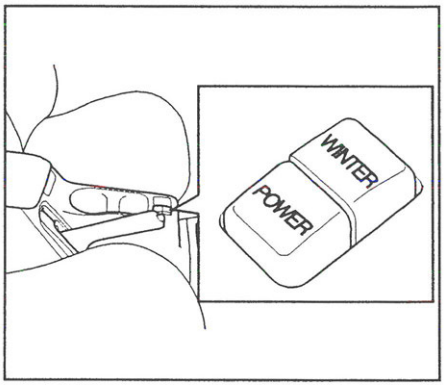
If the light flashes it means that the computer controlling the transmission has found a problem. The vehicle can still be driven when the light is flashing but should be checked by your Holden Dealer as soon as possible.

Depending on the nature of the problem, the transmission may still be able to change gears without your assistance. However, in some cases the transmission's computer may put the transmission into 'safety mode'. In safety mode, the transmission may not shift automatically and you must then shift the gear shift lever to change gears at the following recommended speeds:

- High speed driving (over 80 km/h) – select **3** or **D**.
- Moderate speed driving (under 80 km/h but over 25 km/h) – select **2**.
- Starting from a stop, driving up or down a steep hill, or for engine braking when towing a trailer – select **L**.

AUTOMATIC TRANSMISSION cont.

Transmission modes: POWER/WINTER/NORMAL DRIVE



The two buttons marked POWER and WINTER located on the top right-hand side of the centre console, control the three shift patterns available with your automatic transmission: POWER, WINTER and NORMAL.

When the POWER button is pressed in, the power light is illuminated and the transmission is operating in the power drive mode, likewise for WINTER.

When neither button is pressed in (and no light is illuminated) the NORMAL gear shift pattern is selected.

NORMAL drive is the most effective pattern for normal or freeway driving and allows for maximum fuel efficiency.

The POWER drive is recommended when overtaking and provides better acceleration, especially in hilly areas or when towing.

WINTER drive is only recommended on slippery roads, as operation in WINTER drive during normal driving conditions will cause decreased performance and sluggish acceleration.

The WINTER mode may be activated when the gear shift lever is in **D** and vehicle speed is less than 11 km/h, and will be automatically deactivated when vehicle speed reaches approximately 34 km/h. It can also be deactivated by moving the gear shift lever to **3**, **2** or **L**, by pushing the WINTER button or turning off the ignition. WINTER drive is recommended when slowly starting off in slippery conditions; the vehicle will start off in 3rd gear.

AUTOMATIC TRANSMISSION cont.

P (park)	This stops the rear wheels from turning and should be selected (together with the park brake) when leaving the vehicle. Never select P until your vehicle is fully stopped. The P position is one of only two positions (the other is N) in which your engine may be started.
R (reverse)	Never select R until your vehicle is fully stopped. A reversing light will operate when R is selected and the ignition is on. After reversing, make sure the vehicle has fully stopped before proceeding forward again.
N (neutral)	This is the out-of-gear position. You may then restart a stalled engine while the car is still moving.
D (drive)	This is the normal forward driving position and allows the transmission to choose the appropriate gear (1st through to 4th) for the driving conditions and optimum fuel economy.
3 (third)	This position allows the transmission to shift to 1st, 2nd or 3rd gear as conditions require. 4th gear is excluded. Use this position when going down a long hill or on a road with many sharp curves. Shift back into the D position to return to normal driving.
2 (second)	This position allows the transmission to shift to 1st or 2nd gear, 3rd and 4th gear are excluded. Use this position when going down a moderate gradient where you want to slow down a little without using the brake. Shift back into the D position to return to normal driving.
L (first)	The transmission cannot shift out of 1st gear when in this position and should only be used when a strong braking effect is needed on a very steep hill. The gear shift lever can be shifted back to L at any speed. However, the transmission will not actually enter 1st gear until vehicle speed is below 60 km/h. Remember to shift back to D to resume normal driving.

- Do not go from P or N to R or D with the accelerator pedal depressed.
- When driving down a long hill, reduce your speed and select a lower range. The engine will provide a braking effect. Remember if you ride the brakes, they may overheat resulting in reduced performance. This is particularly important when towing.
- Be careful when accelerating, upshifting, downshifting or braking on a slippery surface. The abrupt change in engine speed could cause the drive wheels to spin or skid.
- Don't press the accelerator pedal to hold the vehicle on a slope. Use the brakes.
- Don't ever coast the vehicle in N – this reduces your control and engine braking power.
- Always slow down in gusty crosswinds.
- Refer to Chapter 7 for information regarding automatic transmission fluid level inspection.

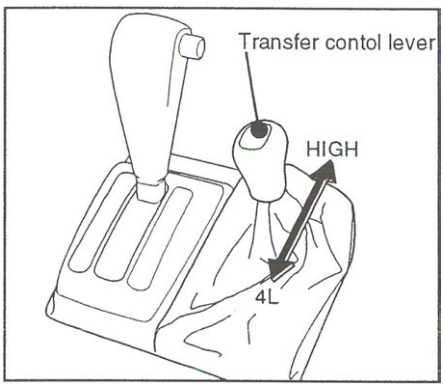
FOUR-WHEEL DRIVE (without Torque On Demand)

The 4WD indicator light illuminates when the 4WD switch is depressed. Wait until the 4WD light on the dashboard stops flashing before moving the lever, otherwise loss of control may be experienced.

Additional information is provided on the cover of the vanity mirror under the driver's side sunvisor.

2WD (high range, 2-wheel drive)

Use this for normal driving on dry surfaces. This position gives greater economy, a quieter ride and the least drive train wear.



HIGH (high range, 4-wheel drive)

Use this for normal driving on wet, icy or snow-covered roads. This position provides greater traction than two-wheel drive.

4L (low range, 4-wheel drive)

Use this for maximum power and traction. Use 4L for climbing or descending steep hills, off-road driving and hard pulling in sand, mud or deep snow.

SHIFT ON THE FLY system

The 'shift on the fly' system is a device used to connect and disconnect the front wheels to and from the driving axle. These operations are automatically changed when the 4WD switch is pushed while the vehicle runs straight.

CAUTION: Do not use 4-wheel drive for normal driving on dry surfaces. It will cause unnecessary noise and wear, as well as poor fuel economy.

Operation of 4WD switch

2WD – HIGH: The 4WD switch can be pushed from 2WD to HIGH and vice versa while the vehicle is running straight at a constant vehicle speed under 95 km/h.

Shifting of the transfer control lever

HIGH – 4L: For this operation do the following with the 4WD switch pushed in:

- Stop the vehicle.
- Depress the clutch fully (manual transmission) or place in neutral (auto trans).
- Move the transfer control lever from HIGH to 4L or 4L to HIGH.

CAUTION: When moving the transfer control lever, be sure to shift it quickly and securely. Do not stop lever movement midway. Some noise is normal when shifting the lever between HIGH and 4L. When the transfer control lever is not securely in gear, the engine and transmission are disconnected from the driveline. Therefore, the driving force cannot be properly transmitted. The vehicle could roll when parked, even when the automatic transmission is in the Park position. Driving the vehicle when the transfer control lever is not securely in gear may damage the transfer gearbox.

FOUR-WHEEL DRIVE (without Torque On Demand) cont.

CAUTION: Never push the 4WD switch in while the rear wheels are spinning.

Never move the transfer control lever from HIGH to 4L or from 4L to HIGH while the vehicle is moving.

Shifting from HIGH to 4L is still mechanically accomplished by the range shift lever which cannot be moved to the low ratio position unless the dashboard-mounted 4WD switch is depressed.

If the 4-wheel drive indicator light on the instrument panel continues to flash slowly when the 4WD switch is pressed, drive straight ahead while accelerating or decelerating (if this occurs when driving the vehicle), or move the vehicle straight for 2 to 3 meters (if this occurs when the vehicle is stopped). Then the 4-wheel drive indicator light will operate correctly.

In cold weather or under high speed operating conditions, the 4-wheel drive indicator light may change from flashing slowly (2 times per second) and begin flashing fast (4 times per second) when the 4WD switch is changed from the 2WD to the 4WD position. If this occurs, slow down or stop the vehicle and reset the 4WD switch.

If the 4-wheel drive indicator light changes from flashing slowly (2 times per second) and begins to flash fast (4 times per second) when the 4WD switch is changed from the 4WD to the 2WD position (OFF), shift the transfer control lever to HIGH and reset the 4WD switch.

If the 4-wheel drive indicator light fails to either go off or come on, see your Holden Dealer and have the vehicle inspected.

USING THE 4WD SWITCH AND TRANSFER CONTROL LEVER

VEHICLE CONDITION	4WD SWITCH	TRANSFER CONTROL LEVER	LIGHTING OF INDICATOR	NOTES
2WD HIGH	OFF 2-WHEEL DRIVE (2WD)	HIGH	OFF	When the 4WD switch is set at 2WD, the TRANSFER LEVER can not be moved to 4L position. (Mechanical Lock)
			Flashing: 2 times per second	Shift on the Fly system is operating.
4WD HIGH	ON 4-WHEEL DRIVE (4WD)	HIGH	ON	
4WD LOW	ON 4-WHEEL DRIVE (4WD)	4L	ON	When the transfer lever is set at 4L, the drive mode cannot be changed by pressing the 4WD switch. If the switch is pressed, the indicator light will flash 4 times per second instead of 2 times per second.

FOUR-WHEEL DRIVE (with Torque On Demand)

TOD (Torque On Demand) operation

The TOD system automatically distributes driving force to the front axle as required. TOD is active when the TOD switch is set to the TOD position.

When the switch is set to the 4L position, drive to the front axle is permanently engaged rather than changing the driving force as required. If the switch is set to 2H, the front axle is permanently disengaged with all driving force transmitted to the rear axle.

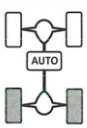
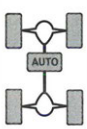
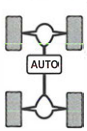
CHECK TOD indicator

To check that the bulb is working, the CHECK TOD indicator will show for a few seconds when the ignition is switched on.

CHECK
TOD

NOTE: If the light flashes, a fault in the TOD system has been detected. Stop the vehicle in a safe location and turn off the engine. Restart the engine and if after 2 seconds the CHECK TOD indicator continues to flash, contact your Holden Dealer as soon as possible to have the TOD system inspected.

2WD/TOD/4L indicator

TOD Switch Position	Lighting of Indicator	Guide of Driving Force Distribution
2H (2wd high)		Front Wheel: 0 % Rear Wheel: 100 %
TOD		Front Wheel: 0 to 50 % Rear Wheel: 100 to 50 %
4L (4wd low)		Front Wheel: 50 % Rear Wheel: 50 %

2WD (high range, 2-wheel drive)

Use this for normal driving on dry surfaces. This position gives greater economy, a quieter ride and the least drive train wear.

TOD (high range, 4-wheel drive)

Use this for normal driving on wet, icy or snow-covered roads. This position provides greater traction than two-wheel drive.

4L (low range, 4-wheel drive)

Use this for maximum power and traction. Use 4L for climbing or descending steep hills, off-road driving and hard pulling in sand, mud or deep snow. Do not use 4L for driving on sealed roads as it will cause unnecessary noise and wear as well as poor fuel economy.

SHIFT ON THE FLY system

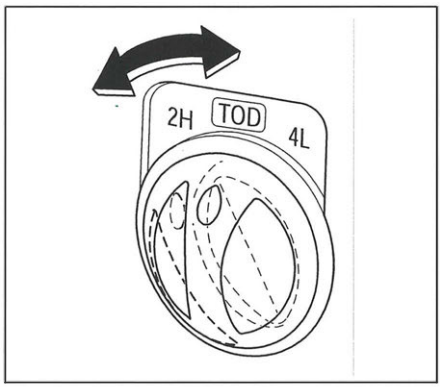
The 'shift on the fly' system is a device used to connect and disconnect the front wheels to and from the driving axle. This system is activated when the driver turns the TOD switch from 2H to TOD or from TOD to 2H.

FOUR-WHEEL DRIVE (with Torque On Demand) cont.

Using the TOD switch

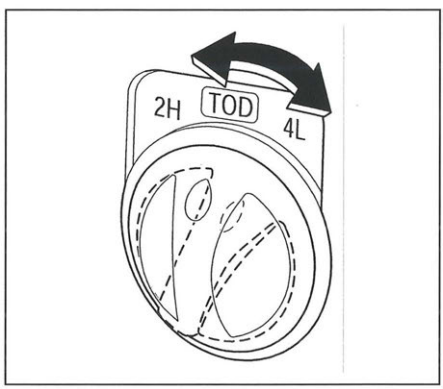
When operating the TOD selector, do not stop the TOD selector switch between switch positions. Some driveline noise is normal when operating the TOD switch.

2H ⇳ TOD: Shifting from 2H to TOD or TOD to 2H can be done with the vehicle moving at a constant speed below 95 km/h. However, it is recommended that the vehicle be travelling in a straight line when this procedure is carried out.



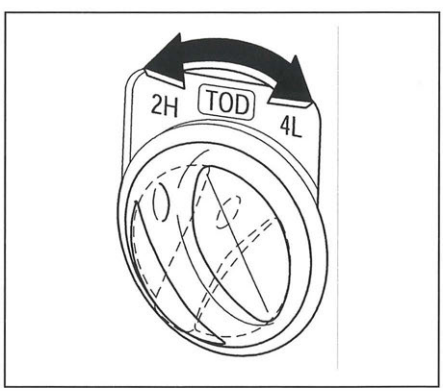
TOD ⇳ 4L: When shifting from TOD to 4L the vehicle must be stationary with the brake pedal applied. Move the transmission lever to the N (neutral) position and turn the TOD switch to 4L. The TOD display should verify that the procedure is complete.

Never turn the TOD switch from TOD to 4L or from 4L to TOD while the vehicle is moving.

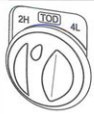
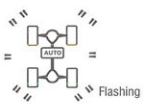


2H ⇳ 4L: When shifting from 2H to 4L the vehicle must be stationary with the brake pedal applied. Move the transmission lever to the N (neutral) position and turn the TOD switch to 4L. The TOD display should verify that the procedure is complete.

Never turn the TOD switch from 2H to TOD or 4L while the rear wheels are spinning on muddy or snow covered surfaces.



FOUR-WHEEL DRIVE (with Torque On Demand) cont.

TOD Switch Position		Lighting Of Indicator	Drive Status
2WD (2H)			Rear 2- wheel drive
TOD			High range 4-wheel drive with TOD
4WD (Low)			Low range 4-wheel drive with mechanical lock
—	—		'Shift on the Fly' system currently engaging

NOTE: When turning the steering wheel fully to the right or the left, and after selecting from 4L to TOD or 2H, the vehicle may experience 'tight corner braking'. This phenomenon is peculiar to 4-wheel drive vehicles. It results from a speed differential between the front and rear wheels. If it occurs, return the steering wheel to the straight ahead position and allow the vehicle to move forward several metres.

WARNING: When operating the vehicle, ensure that the TOD indicator is on. If the TOD indicator does not come on, the transmission may be disconnected from the driveline and the vehicle may roll even though the transmission shift lever is in P (park). When parking the vehicle, ensure that the TOD indicator remains on and ALWAYS apply the parking brakes.
When operating the TOD switch, be sure to turn it to the desired posit.ion (ie. 2H, TOD or 4L) and verify that the TOD display indicates the selected drive mode has engaged.

NOTE: If 4L is selected while engine speed is higher than 1500 rpm, engagement of 4L mode will not occur until the accelerator pedal is released and engine speed drops below 1500 rpm. Similarly, if after starting the vehicle engine speed is higher than 1500 rpm, you must wait until the engine speed drops below 1500 rpm before 4L will be cngagod.

DRIVING PRECAUTIONS

Frontera handling

CAUTION: The specific design characteristics of the Frontera give it a higher centre of gravity than ordinary cars. Its high ground clearance makes it capable of performing in a wide variety of off-road applications. It is not designed for cornering at the same speeds as conventional passenger cars. Therefore, sharp turns or abrupt manoeuvres should be avoided if at all possible. As with other vehicles of this type, failure to operate this vehicle correctly may result in loss of control or vehicle roll over.
Always use your seat belts.

Running-In

These days, there's no need to follow a formal running-in schedule. However, by observing a few simple precautions during the **first 1,000 kilometres** of driving you will greatly assist your vehicle's future performance and economy.

Drive your vehicle at various speeds. Do not use full acceleration. Never allow the engine to labour.

Make good use of all gears. Depress the accelerator pedal a maximum of around three quarters of the available pedal travel in all gears and drive ranges.

Do not drive faster than three quarters of the maximum speed.

Off-road

Following a period of off road driving, particularly in wet weather, the front of the vehicle should be hosed down to clear any accumulation of mud. In particular pay specific attention to both sides of the radiator.

Engine misfire warning

Reduce speed and do not tow a caravan or trailer – until the misfiring is corrected at the nearest Holden Dealer. Otherwise, the catalytic converter and exhaust system may overheat, resulting in vehicle damage.

Loose articles

Do not leave loose articles or luggage in the passenger compartment. Whenever possible, stow articles in the luggage area.

Power steering

The steering system fitted to your vehicle is power assisted. It has been designed to reduce steering effort. Care should be taken not to hold a prolonged turning force on the steering wheel when the steering is at left or right lock when stationary (e.g. during parking manoeuvres) as this creates high operating temperatures and pressures within the system.

If power assistance for the steering isn't working, due to the engine stalling etc., the vehicle can still be steered. However, due to the much greater effort required to steer, it is recommended that you have the problem fixed promptly.

DRIVING PRECAUTIONS cont.

Brakes

- The power assisted brakes fitted to your vehicle use vacuum from the engine when it is running. Therefore, never let the vehicle run down hills with the engine off, or coast after switching the engine off.
- Your seat should be positioned so that you can push the brake pedal easily. Nothing should be under the brake pedal which could limit pedal travel, for instance, poorly fitting floor mats.
- Consistent, heavy use will shorten the life of the brake pads.
- The front and rear disc brakes have built-in wear indicators, which make a high pitched squealing or clicking noise when the pads need replacing. The sound will come and go, or be heard all the time when the wheels are rolling, but may stop when the brake pedal is firmly applied.

In the interest of effectiveness, do not brake unnecessarily hard during the first 200 km after new disc brake pads have been fitted.

Tyre grip

When driving on wet or slushy roads, it is possible for a wedge of water to build up between the tyre and road surface. This phenomenon, known as aquaplaning, may cause partial or complete loss of grip, which affects steering and braking. To reduce the possibility of aquaplaning:

- Reduce speeds during rainstorms.
- Replace tyres when tread wear indicators are visible.
- Regularly check that tyres are properly inflated.

Snow chains

Snow chains may only be used on the rear (drive) wheels.

Snow chains may only be used at speeds up to 50 km/h.

When driving on roads that are free of snow, snow chains should only be used for brief periods, as they will wear quickly and may snap.

The part of the snow chain that covers the tyre tread should not be thicker than 13 mm. The part of the snow chain that wraps around the side of the tyre should not be thicker than 15 mm. (including the chain clasp). The use of thicker chains may cause damage to the body of the vehicle.

Mobile phones and CB radios

Mobile phones and CB radio equipment, which use an integrated antenna, may temporarily affect the vehicle's electronics (permanent damage is unlikely) when used inside the vehicle, due to the interference created when transmitting

Therefore, mobile phones and CB equipment that use an antenna fitted to the outside of the vehicle should be used whenever possible.

If phones or CBs with an integrated antenna *must* be used inside the vehicle, care should be taken not to operate near the dashboard area.

YOUR 4WD

Driving on sealed roads

The increased traction of 4WD vehicles offers greater driving control in adverse road conditions, particularly heavy snow and ice. However, four-wheel drive vehicles are not 'skid-proof'. It is usually easier to control a skid in a conventional car than a four-wheel drive vehicle, skidding in the same circumstances.

When the conditions are severe enough to warrant engaging 4WD on sealed roads, remember the following:

- Drive slowly in the lower gears, according to the road and weather conditions.
- Use the accelerator pedal to control the vehicle.
- Keep the use of the brake pedal to a minimum.
- Do not slip the clutch or spin the wheels.
- Do not make excessive or jerky steering movements.
- Off-road 4WD vehicles have a higher centre of gravity, so always approach curves at an appropriate driving speed. Do not attempt to go as fast through turns as you might in a conventional 2WD car. Likewise, strong crosswinds can affect the normal steering of the vehicle and could lead to loss of vehicle control. Drive slower under strong crosswind conditions.
- As with all driving, exercise caution when in slippery conditions (caused by sand, gravel, water, snow or ice on the road) in order to maintain vehicle control.
- Depending upon the conditions, and when driving in snow or ice, select 4L or HIGH. On vehicles fitted with Torque On Demand 4WD, select TOD on the TOD switch. Start the vehicle moving with minimal engine revs, low gear and combined clutch and accelerator control; do not slip the clutch excessively; change to a higher gear as soon as possible, keeping the engine revs low to prevent wheelspin.

Driving through water

Know the depth of the water; choose the lowest entry and departure angles before entering.

Select 4L and 1st gear; maintain a steady engine speed and avoid splashing to help prevent water from entering the exhaust system if the tailpipe is below the water level.

Drive with the flow wherever possible. If you have to drive against the flow, try to drive at an angle to it so that the leading corner of the vehicle will help deflect the water from the engine compartment.

Avoid splashing the water – if the ignition system becomes wet the vehicle may stall.

Ensure the water does not enter the engine air intake system, as engine seizure and costly damage may result.

Test the brakes after you have left the water. Wet brakes are less effective than dry ones. To dry the brakes faster, drive the vehicle slowly while applying light pressure to the brake pedal.

After driving through water, perform the following checks for water contamination at the earliest opportunity. Renew any lubricating oil that has a milky appearance, indicating contamination with water. Check the air cleaner element, the engine, the transmission and the axles. Also check the interior of the vehicle.

YOUR 4WD cont.

Off-road driving

When driving off-road you will encounter various driving conditions too numerous to list here. Always think ahead and use common sense. If you feel uncomfortable about tackling a given situation, do not do it.

Gripping the steering wheel: Rough terrain can cause rapid and unexpected movement in the steering. Be ready to deal with these movements by having a firm grip on the outer rim of the steering wheel with the thumbs outside the spokes (to guard against injury from steering wheel kickback).

Preparation: The duration, distance and conditions of the off-road activity determine the extent of the preparation that is required. The following are given as guidelines.

- Know the area where you will be driving, either by inspection or from maps. Decide your route in advance.
- Make a thorough check of the vehicle: oil, water, fuel, brake and clutch fluid levels, drive belts, lights and windscreen wipers and washers.
- Ensure that the tyres (including the spare) are inflated to the correct pressure and are suitable for the prevailing off-road driving conditions.
- Off-road or mud and snow tyres, which are standard, have larger tread profiles designed to give better grip.
- Carry emergency equipment, i.e. spade, first aid kit, vehicle spares etc.

A 13 metre tow rope should be carried to allow a recovery vehicle to be clear of adverse ground.

Secure all loose items and luggage that may cause injury if thrown around the passenger compartment in bumpy conditions. Avoid carrying heavy loads on the roof. Make sure all doors, the tailgate and the bonnet are firmly closed.

Avoid protruding objects (such as rocks or tree stumps) that may damage the underbody or tyres.

Test the brakes after operating in mud to clear excess mud from the braking mechanisms.

Generally, you should use the fall-line of the slope or hill and set your vehicle to traverse this with the steering centred. Never drive diagonally across a slope.

The ground clearance, ramp angle, angle of approach and departure, tilt angle and wading depth need to be considered, especially in hilly conditions and when wading, to prevent the vehicle becoming stuck and possibly damaged.

Approach Angle	31°
Departure Angle	25°
Ramp Breakover Angle	19°

YOUR 4WD cont.

Recovery and towing

When recovering or towing a vehicle off-road, observe the following:

- A greater force is required to move a vehicle from or through mud than when on a firm road surface. Make sure the steering wheel is centred.
- Attach the tow rope to the towing eye of the vehicle, not to the axle.
- Where possible, drive both vehicles forward to effect a recovery, using the appropriate gear to avoid excessive wheelspin.
- Avoid the use of reverse gear because of the possible resultant wheelspin.
- Stay clear of the tow rope. **Breaking ropes can cause serious injury.**

Cleaning after off-road driving

Clean the vehicle thoroughly and as soon as possible after driving off-road, particularly after muddy conditions.

Do not let mud remain dry on the vehicle as it becomes abrasive and can damage paint, glass, seals, bearings and brake components. If left to build up, mud can seriously affect the air flow through and over mechanical components. This may cause overheating and failure of parts, especially in the engine compartment.

Clean the tyre treads.

To maintain proper cooling air flow ensure the radiator core and the area around the radiator is cleaned.

Check the radiator and cooler cores for blockage (sand, silt, etc.).

Clean the underside and mechanical parts of the vehicle, particularly the following areas:

- Driveshafts, including sealing bellows.
- Front brake calipers, pads and discs.
- Front suspension.
- Clutch fork sealing bellows.
- Rear brake calipers, pads and discs.
- Rear suspension.
- Fuel tank.
- Breather, rear axle.
- Breather, fuel tank.
- Pinion oil seal, rear axle.
- Transfer box and underguard.
- Engine oil pan and underguard.
- Pinion oil seal, front axle.
- Breather, front axle.

The wheels must be removed to clean all mud and stones from the brake calipers and to check brake pad wear.

Ensure the breathers for the axles and fuel tank are fitted and undamaged.

Maintenance and off-road driving

Proper maintenance at all times ensures that the warranty remains valid, repair costs are kept to a minimum, vehicle performance and capabilities remain high, and driver and passenger safety is maintained.

If you drive your vehicle off-road to a great extent, it is recommended that you have the chassis inspected more frequently.

The maintenance intervals are dependent on the severity of the operating conditions. Therefore, under extreme operating conditions, e.g. driving on unsurfaced roads, (with thick dust or mud accumulation etc. prevalent), additional maintenance operations, e.g. changes of engine oil, oil filter and air cleaner element and checking of brake pads; should be performed at shorter intervals. Refer to Chapter 12 for details .Your Holden Dealer will inform you which additional service is required between the normal service intervals after consideration of the specific operating conditions of your vehicle.

ANTI-LOCK BRAKE SYSTEM

The anti-lock brake system (ABS) is in addition to your vehicle's normal brake system. It prevents the wheels from locking up when braking, irrespective of the road conditions and tyre grip. It starts to regulate the braking as soon as a wheel shows a tendency to lock. The vehicle remains steerable, even in the event of panic braking, for instance on bends or when swerving to avoid an obstacle.

Maximum braking is provided for each wheel, up to the point where it would lock. This means that steering control is retained.

In an emergency braking situation, the driver should keep full force on the brake pedal without pumping it. Pumping the brake pedal can reduce brake efficiency when ABS is controlling the braking.

Do not let this special safety feature tempt you into taking risks when driving. Traffic safety can only be achieved by adopting a responsible driving style. Your speed should always be adjusted to suit road and traffic conditions.

Always maintain a safe distance from the vehicle in front of you. Compared with vehicles not fitted with ABS, your vehicle may require a longer stopping distance in the following cases:

- Driving on rough, gravel or snow-covered roads.
- Driving with tyre chains fitted.
- Driving on roads where the road surface is pitted or has other differences in surface height.

If the brake is put on while turning or driving over split-level road surfaces, ABS will often be actuated. This is normal because the inside of the wheels or the wheel running over a split-level have less driving force and are easier to lock.

An ABS warning light is provided with the gauges. To check that the bulb is working, the light will come on when the ignition is first turned on and goes out after a few seconds. If this symbol is displayed when driving, a malfunction of the ABS is indicated. Remember, that this only means that the system's 'anti-lock' facility is not operating. Your vehicle's conventional brake system will still operate normally.

ABS

When your vehicle is in a critical braking condition, the ABS will make itself noticeable through pulsing of the brake pedal and the noise of the anti-locking process. This should remind you to match your speed to the road conditions even though the ABS is maintaining control of the braking.

When the ignition is turned on, the ABS performs a self check. This may be heard as well as felt, as pulsing through the brake pedal.

CHAPTER 5

Fuel

Page

5-2 Petrol
5-2 Carbon Monoxide Caution
5-2 Petrol Caution
5-3 Fuel Tank Capacity
5-4 Emission Control
5-5 Reducing Fuel Consumption

PETROL

EXHAUST WARNING – CARBON MONOXIDE POISONING

Exhaust gases can produce carbon monoxide, a dangerous gas, which can cause unconsciousness and even death to both humans and animals.

You could inhale the gases if the exhaust system on your vehicle is faulty.

To protect against exhaust gases entering the vehicle, the exhaust system and body should be inspected:

- each time the vehicle is serviced,
- whenever a change is noticed in the sound of the exhaust system,
- whenever the exhaust system, underbody or rear of the vehicle is damaged.

Take the vehicle to your Holden Dealer if you think your vehicle needs inspecting for any of the above reasons.

DO NOT SIT, OR LEAVE CHILDREN OR PETS IN A PARKED VEHICLE FOR AN EXTENDED PERIOD OF TIME WITH THE ENGINE RUNNING. DO NOT RUN THE ENGINE IN AN ENCLOSED AREA (SUCH AS THE GARAGE) ANY LONGER THAN IS NEEDED TO MOVE THE VEHICLE.

Driving with the tailgate open is not recommended. If you must travel with the tailgate open, close all windows, ensure that the heater controls are set to outside (rather than re-circulate) with air directed to the face and the fan on the highest speed. Do not exceed 50 km/h unless necessary.

PETROL CAUTION

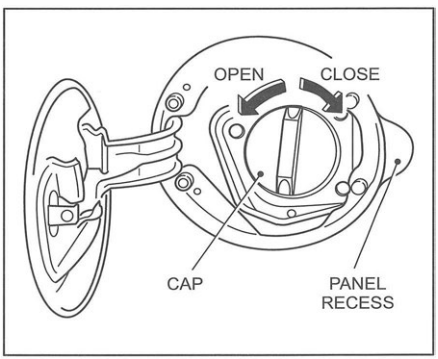
- Petrol is extremely flammable and highly explosive.
- Always turn off the engine and any mobile phones when refuelling.
- Do not smoke or allow open flames or sparks near the vehicle when refuelling.
- If petrol fumes are smelt while driving, the cause should be found and corrected without delay.

PETROL cont.

The petrol filler is located on the rear left side of the vehicle.

To open the fuel filler cover, insert your finger in the right panel recess and pull the cover outwards. Make sure the doors are unlocked before attempting to open the fuel cover.

The petrol cap (under the petrol cover) is a screw-on type. Always replace the cap after refilling.



Tank capacity = 80 litres

The fuel tank should not be allowed to become empty.

Use UNLEADED PETROL of 91 octane rating, or higher.

High octane unleaded petrol ('Premium' etc.) may be used, but is not required by your vehicle.

The use of any other fuel will seriously damage the engine of your vehicle and may void your Warranty. Only clean petrol of good quality should be used.

Petrol tanks should always be filled at the intermediate or fast fill rate. Don't add any more petrol after the petrol filler first clicks off or petrol blows back – as this allows room for the petrol to expand inside the tank.

Wipe off any overflowing petrol immediately from the vehicle; spray or splash with water (close the fuel opening before spraying with water).

EMISSION CONTROL

Your vehicle is fitted with emission control systems which are designed to reduce the amount of hydrocarbons (HC), carbon monoxide (CO), and oxides of nitrogen (NOx) that are emitted from the engine and fuel system into the atmosphere. Hydrocarbons and oxides of nitrogen, when exposed to sunlight under certain conditions, contribute to smog. In addition, carbon monoxide is toxic when it becomes highly concentrated in the air.

The three major emission control systems fitted to your vehicle are:

1. **Evaporative Emission Control System**
   This system is designed to prevent the escape of fuel vapour from the fuel system and recycle it through the normal combustion process.
2. **Crankcase Emission Control System**
   This system is designed to prevent blow-by gases from escaping into the atmosphere and recycle them through the combustion process.
3. **Exhaust Emission Control System**
   The various components of this system operate collectively to limit HC, CO and NOx emissions in the exhaust gas. The exhaust Emission Control System is comprised of components including electronic control of spark, fuel and idle speed. In addition, Australian vehicles have a catalytic converter and closed loop mixture control system.

For detailed information on the operation, servicing and repair procedures for these systems, refer to your vehicle's service manual and/or the emission label inside the engine compartment on the driver's side of the dash panel of your vehicle.

Owner responsibility

Vehicles sold and serviced within Australia have been designed to comply with Australian Design Rules and State Regulation emission requirements.

The engine, engine control system or exhaust system of the vehicle must NOT be modified in any way. Any change to the design may increase the emissions or otherwise defeat the intent of the regulations.

Any person who removes, modifies or hinders any part of the emission control system may be contravening Australian Design Rules, refer A.D.R. 28/01(External Noise for Motor Vehicles) and A.D.R. 37/01 (Emission Control for Light Vehicles). It is also illegal to drive a car modified in this way.

First drive

When the vehicle is driven for the first time, wax and oil on the exhaust system may evaporate, producing smoke-like emissions that should not be inhaled. Allow wax and oil to evaporate while the vehicle is in the open air.

Maintenance requirements

To ensure continuing compliance with the regulations you must maintain your vehicle's emission control system as per your vehicle's service manual, at the frequency shown in the Maintenance Schedule in Chapter 12.

It is recommended that the necessary servicing be performed by an authorised Holden Dealer who has the specialised servicing equipment and trained personnel available to ensure that the adjustments and services specified are carried out.

REDUCING FUEL CONSUMPTION

Engine

Maintain the engine in peak mechanical condition by having it serviced regularly in accordance with the Maintenance schedule in Chapter 12. This will ensure items such as the spark plugs and air cleaner are maintained for minimum fuel usage and peak engine performance.

Tyre pressure

Keep the tyres at the recommended pressures. Under-inflated tyres create extra rolling resistance and waste fuel (Refer Chapter 7).

Incorrect tyre pressures can also cause uneven and premature tyre wear.

Wheel alignment

Maintain correct front wheel alignment. Incorrect alignment makes the front wheels drag which wastes fuel and causes uneven and premature tyre wear.

Warm ups and idling

Avoid long engine warm ups. They are unnecessary and waste fuel. An engine takes approximately five minutes to reach its efficient operating temperature and it does this most effectively when driving.

You should also avoid long engine idling. If you have to wait for more than a couple of minutes turn off the engine to conserve fuel.

Accelerating, driving and braking

Accelerate gently – avoid rapid starts, sudden bursts of speed and full throttle acceleration – they're certain fuel wasters.

Drive the vehicle at steady speeds where possible (after run-in). It is desirable to reach top gear as soon as possible, but under no circumstances should you force the engine to labour in top gear.

Riding the brake

Do not rest your foot on the brake pedal when you do not intend to brake, as this can overheat the brakes, increase brake pad wear, damage the brakes and waste fuel.

Air Conditioning

Turn off the air conditioning when not required. However, once every week, switch the air conditioner on for about 10 minutes with the engine running, even in winter, to lubricate the air conditioning system seals.

NOTES

CHAPTER 6

Emergencies

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6-2 Accidents

6-3 Medical Assistance

6-4 Jack & Tools

6-5 Flat Tyre

6-8 Towing

6-9 Engine Overheating

6-11 Flat Battery

6-13 Fuses

6-14 Electric Windows Circuit Breaker

6-15 Bulb Replacement

6-21 Air Bags

Your new vehicle is covered for 3 years by 24 hour Roadside Assistance, refer Chapter 9.

ACCIDENTS

All drivers are advised to learn what to do at the scene of an accident, particularly where people are injured. Injured people can choke to death if their air passages are not cleared, they can bleed to death unless the bleeding is stopped, they may require mouth-to-mouth resuscitation or may have to be moved, even though badly injured. It is important that you understand how to avoid further damaging an injured neck or back or other broken limbs. In all cases, ensure safety for rescuers, victims and bystanders.

The following notes may help.

Accident – being involved

Stop immediately and remember to turn off the engine and apply the park brake.

Remember that time is vital. Remain calm and alert. Think quickly and clearly.

Give all possible assistance to all injured persons (see following page).

Send for police and ambulance if anyone has been injured. Give information as accurately as possible: the exact location, the number of injured people and a brief report on the overall situation.

Warn all other traffic approaching the scene. Turn off ignition switches. Stop any smoking near spilt petrol. In darkness, try and light up the area to warn others, using a torch or headlights (do not use flammable items).

Clear the road of accident debris.

Exchange your name, address, car registration, owner's name and address with the other parties involved in the accident.

If damage to property only has occurred, report the facts to the owner of the damaged property or to his/her representative, to any police present at the scene or to the nearest Police Station.

Try to note all important facts because such details may be important if needed later.

Accident – being a witness

If you witness a road accident or it becomes your task to stop and help:

- Keep in mind that an observant witness can prove most helpful. Some day you yourself might be very glad of help from a witness.
- DO NOT stop at the scene of an accident just to be a spectator. If other people are already in attendance and giving assistance, you should stop only if you can contribute assistance.
- Give what assistance you can to any injured persons (see following page).

ACCIDENTS

Part 3. Medical assistance

This information is basic first aid information which is intended as a guide only and may not be applicable in all situations. You should always defer to a trained medical officer or other person with first aid knowledge. Protective equipment, such as rubber gloves are recommended.

Keep calm and think clearly. Your experience may not be much but do your best.

- Look after the unconscious person first. Check airway, breathing and circulation. If no breathing, then check if air passages are clear, i.e. nose and mouth. Use your fingers to clear air passages if necessary. If the air way is clear then mouth-to-mouth resuscitation may be needed at once.
- You must be very careful when moving an injured person. It is best not to move at all, except if in danger, as serious and permanent damage can be done to an injured neck or back if not supported during movement. AVOID BENDING OR TWISTING A NECK OR BACK. KEEP THEM STRAIGHT. All injured limbs require support when an injured person has to be moved.

Unconscious people can choke.
Carefully turn to one side.
Tilt the head back slightly.
Wipe out the mouth with your finger to remove blood, vomit, broken teeth or dentures.

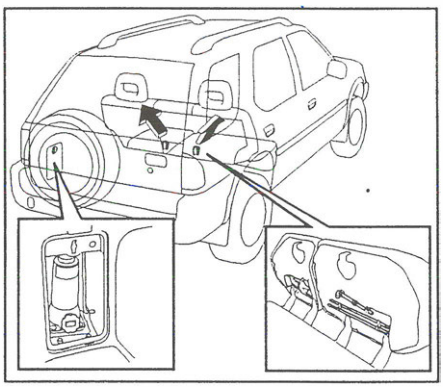
- Provided it is not dangerous to do so because of other injuries, an unconscious person will do best in the position illustrated here.

Lay the person on one side. If it will not aggravate any injuries then:
Bend the uppermost knee until the thigh is at a right angle to the body.
Bend the uppermost arm and elbow so that the hand lies near the face.
Gently pull the underneath arm so that it rests straight on the ground free of any body weight.

- Try to stop bleeding by applying direct pressure, using your hand, or by pressing torn flesh together. Use any clean cloth available. Fold cloths to make pads. If necessary press one pad on top of another. Keep pressure around edges of a wound BUT NEVER USE A TOURNIQUET.
- Shock may be treated by reassurance, relieving pain, controlling any bleeding and keeping the injured person warm but not hot. It is best not to give any fluids and NEVER ALCOHOL.
- If the injured person is in danger and has to be moved, try and have three or four people help and concentrate on not bending or twisting the neck, spine and injured limbs. Keeping the neck and spine straight is most important.

JACK & TOOLS

Location



The jack is located behind the left-hand side storage panel in the load compartment. It is secured in place by extending the ram of the jack.

To remove the jack, turn the knob anti-clockwise so that the ram is lowered away from the holder. Remove the jack when the ram is fully lowered.

To install the jack, place it in position onto the holder base and turn the knob in a clockwise direction until the ram pushes against the top of the holder.

The wheel brace and jack crank are located under the right-hand side rear seat cushion. To lift the seat, pull upwards on the release strap situated behind the seatbelt buckles. Remove the wheel brace and jack crank by pulling them out of the mounting clips.

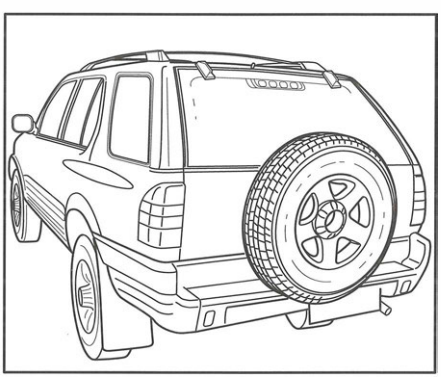
A bag of hand tools is located under the left-hand side rear seat cushion. To lift the seat, pull the release strap towards you. Remove the bag of tools by unfastening the straps.

FLAT TYRE

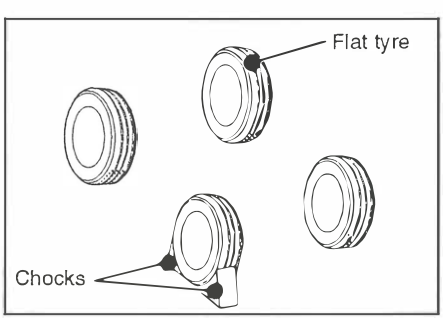
CAUTIONS:

- Use the jack only for lifting the vehicle when changing wheels.
- Never get beneath the vehicle when it is only supported by the jack.
- Do not start or run the engine while the vehicle is only supported by the jack.
- All passengers should be out of the vehicle when it is being jacked and while it is being supported by the jack.
- Observe the operating instructions on the jack label.
- Use the jack only at the designated lifting points. Use in other locations can damage the vehicle.
- The vehicle should only be jacked on hard, level surfaces.
- If using a hoist other than the jack supplied with the vehicle, refer page 7-11 for lifting positions.

1. Park on a level surface, set the park brake firmly and turn on the hazard flasher.
2. Remove the ignition key and place transmission in REVERSE gear for manual transmission or PARK for automatic transmission.
3. The spare wheel, attached to the rear of the vehicle, is secured by three bolts. To remove the spare wheel, remove the mounting bolts with the wheel wrench.

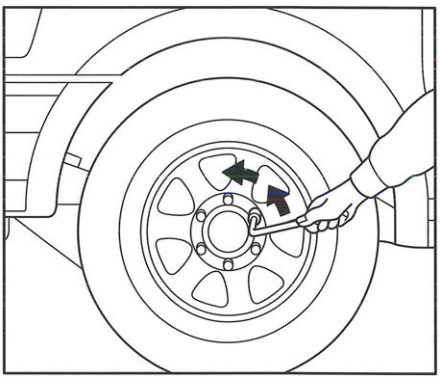


4. Block the wheel diagonally opposite the flat tyre with a solid object.



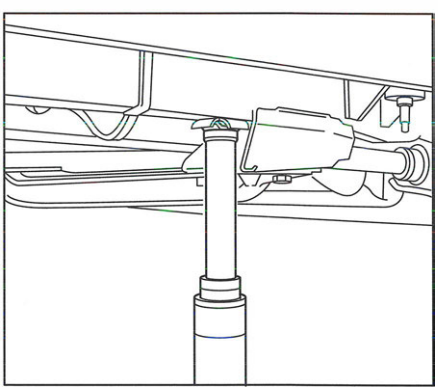
FLAT TYRE cont.

5. Loosen, but do not remove, the wheel nuts by turning the wheel wrench anti-clockwise.



6. To raise the front of the vehicle, place the lifting pad of the jack in the jacking point located immediately behind the transmission crossmember on the side nearest the flat tyre.

Always read the label on the jack.

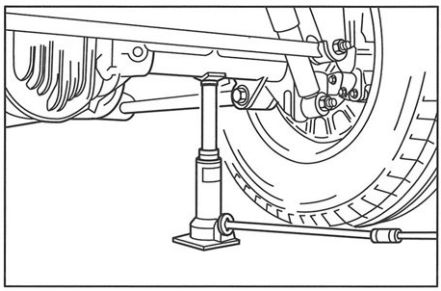


CAUTION: Failure to position the jack as described could cause the vehicle to slip off the jack.

Ensure that the jack is not tilted and that the base is resting squarely on the ground.

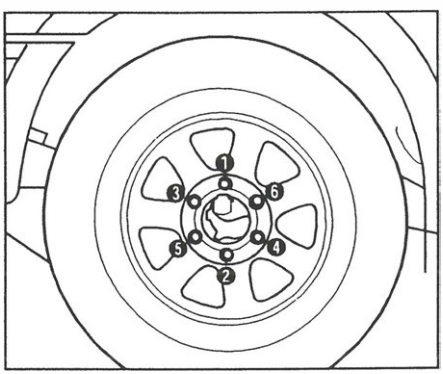
FLAT TYRE cont.

To lift the rear of the vehicle, place the lifting pad of the jack under the rear axle towards the wheel that is to be replaced.



7. Unfold the jacking stem and insert the stem into the jack. Fit the wheel brace to the outer end of the stem. Using the wheel brace as a crank handle, rotate the stem clockwise to raise the jack.

8. Raise the vehicle until the tyre is clear of the ground.
9. Remove the wheel nuts and place (together) in a dry spot to avoid getting dirt in the threads.
10. Remove the wheel from the vehicle and change it over with the spare.
11. Replace the wheel nuts and tighten by hand. Then, withthe wheel wrench, lightly tighten in the sequence shown.



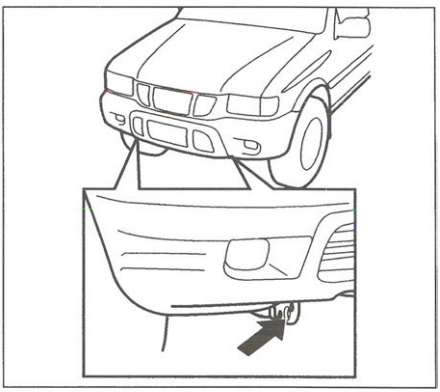
12. Lower the vehicle completely and remove the jack.
13. Fully tighten the wheel nuts with the wheel wrench in the sequence shown above.
14. Stow the spare wheel by resting it on the support pin of the carrier and inserting the bolts. Use the wheel wrench to fully tighten the bolts. A hole in the spare wheel carrier is also provided to enable the use of a padlock to help secure the wheel against theft. Stow the tools back in their storage locations (Refer to page 4 of this Chapter).

CAUTION: As soon as possible after changing a wheel, you should have the wheel nuts properly tightened.

Wheel nuts should be tightened evenly to the correct torque (118Nm) in the sequence shown, as wheel nuts which have not been properly tightened could eventually allow the wheel to come off while the vehicle is moving!

TOWING

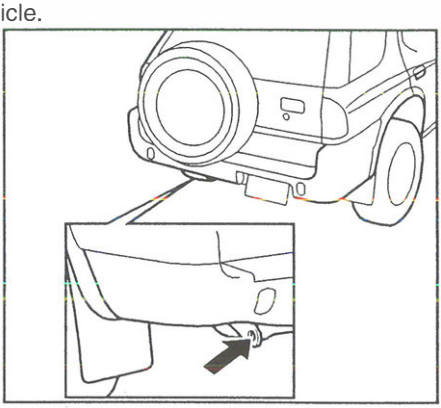
Towing a disabled vehicle



Proper lifting or towing equipment is necessary when lifting or towing the vehicle to prevent damage. Federal, State and Local laws must be followed. In an emergency, your vehicle may be towed on all four wheels in the following manner:

- Fit the towing equipment to one of the towing eyes on the front subframe below the front bumper. Do not attach to the bumpers or brackets.
- Place transmission in neutral position, the transfer lever (if fitted) in HIGH. On vehicles with TOD, place the TOD switch in the 2H position.
- Release the handbrake.
- Switch on the ignition to release the steering column lock and allow the correct operation of windscreen wipers and turn signals.
- For the sake of safety and to prevent damage to the vehicle it is advisable to avoid jerky movements and to drive slowly during towing operations.
- Remember that *power assist* for brakes and power steering will not be available when the engine is off. The brakes and steering will still function, but will take significantly greater effort.
- To prevent exhaust fumes from the towing vehicle entering into the towed vehicle, close the windows and move heating and ventilation controls to the "recirculate" position.
- Vehicles with automatic transmissions must not be towed in excess of 50 km/h or further than 80 km. If exceeding these speeds or distances, disconnect the front and rear drive shafts at the front and rear axle carriers and secure them in safe positions. For your safety, securely block the wheels while disconnecting the drive shafts.
- Vehicles with damaged transmissions, drive-lines, axles or steering should not be towed on all four wheels.
- Only the driver should be in a towed vehicle.

Towing another vehicle



Attach the towing equipment to the rear towing eye of your Frontera.

Drive slowly to avoid jerky movements and sudden braking.

Carefully follow the cautions above and any additional cautions listed for the towed vehicle in its handbook.

On vehicles fitted with Torque On Demand, and depending on the prevailing conditions, switch the TOD switch to 2H or 4L. Avoid the use of TOD.

ENGINE OVERHEATING

CAUTION: If the temperature gauge indicates that the engine is overheating, or if you suspect the engine of overheating, immediate action is required. Continued driving, EVEN FOR A SHORT TIME could cause a fire or engine damage.

If the coolant temperature gauge needle should move to the red section and remain there for more than 30 seconds, pull over to the side of the road. Leave the engine idling while you step out of the vehicle to check that the cooling fan is working.

CAUTION: Do not open the bonnet if you can see or hear steam or water escaping. Wait until no steam or water can be seen or heard before opening the bonnet.

If the fan is working and the temperature gauge is still climbing, turn the engine off.

Look for leaks at the radiator hoses and connections, heater hoses and connections, radiator water pump and coolant tank. Take care when checking all these areas as they will probably still be hot.

If you find a major leak or other problems that may have caused the engine to overheat, do not run the engine until these problems have been corrected.

If you do not find anything wrong then you should check the engine coolant level.

CAUTION: Do not remove the cooling system cap if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.

ENGINE OVERHEATING cont.

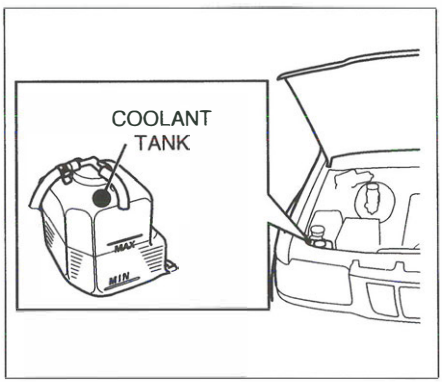
CAUTION: The cooling system is pressurised, so to avoid injury please read all the following instructions before attempting to add coolant.

Without undoing the cap, look at the level of the coolant in the 'see-through' coolant tank.

When the engine is hot the level should be above the MIN mark.

If the level is at or below the MIN mark when the engine is hot, coolant will need to be added as follows:

- Allow the engine to cool a little.
- Cover the coolant tank cap with a thick cloth. Remove the cap very slowly so that any pressure can escape gradually.
- If water is added it should be clean.
- Top up the coolant tank to the MAX mark **WHILE THE ENGINE IS IDLING.**
- Replace the cap.



If after taking one or more of the above actions the temperature gauge no longer indicates an overheat condition you can resume driving at a reduced speed. Return to normal driving after ten minutes if the temperature gauge does not again show an overheat condition. If overheating occurs again you should have the vehicle attended to, as soon as possible, by a qualified mechanic.

The engine may temporarily operate at high temperatures during demanding operating conditions, especially on hot days, including:

- climbing a long hill
- stopping immediately after high speed driving
- idling for long periods in traffic
- towing a heavily laden trailer or caravan.

It may help to turn off the air conditioner in these conditions.

Page 7-3 gives instructions to help protect your cooling system from overheating.

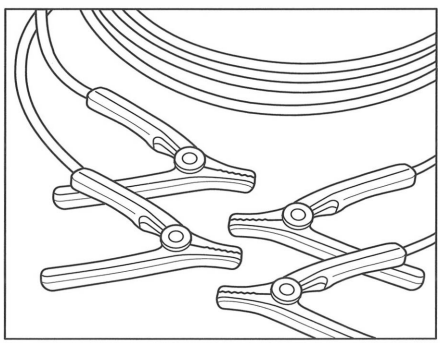
FLAT BATTERY

CAUTION: Do not 'push start' or 'tow start' your vehicle. If unburnt fuel were to reach the catalytic converter and ignite, the converter could overheat or be destroyed by backfire. Therefore, if the battery is flat, you can 'jump start', but not 'push start' your vehicle.

Please read the following procedure in full before attempting to jump start your car.

If after reading the following procedure you are still unsure about 'jump starting' we strongly recommend for your safety and that of your vehicle that you leave the starting to a competent mechanic.

Jump starting



CAUTION: Batteries produce explosive gases, contain corrosive acids and supply levels of electrical current high enough to cause burns. Therefore, when working near a battery:

- Do not use open flames or sparks near the battery.
- Do not smoke near a battery.
- Wear eye protection such as safety glasses and avoid leaning over the battery.
- Battery acid is corrosive. If it gets on your skin, wash with ample amounts of water immediately. If it gets in your eyes you should not only wash with ample amounts of water but should also seek medical help. Battery acid also damages paint and fabrics. To minimise damage wash off immediately.
- Be sure any batteries that have filler caps are properly filled with fluid.
- Remove rings, metal watch bands and other metal jewellery before working around the battery.
- Never use a quick charger to start your engine.

FLAT BATTERY cont.

1. The battery in your vehicle has a negative earth and a 12 volt rating. The battery in the other vehicle **MUST** also have a negative earth and a 12 volt rating.

2. Position the two vehicles so that they are NOT touching, apply the park brakes, put automatic transmission vehicles in PARK, manual transmission vehicles in NEUTRAL. Turn ignition to LOCK and switch off all lights and accessories in both vehicles, except the hazard warning flasher or any lights needed for the work area.

3. Attach one end of the RED jumper lead to the positive terminal of the charged battery (identified by a red colour, + or P) and the other end of the RED jumper lead to the positive terminal of the flat battery.

4. Attach one end of the BLACK jumper lead to the negative terminal of the charged battery (identified by a black colour, – or N) and the other end of the BLACK jumper lead to a solid stationary, metallic point on the engine of the vehicle with the flat battery. DO NOT CONNECT DIRECTLY TO NEGATIVE TERMINAL OF THE BATTERY.

5. When making all connections take care that the jumper lead clamps do not touch each other. Also, ensure that the jumper leads are not on or near pulleys, fans or other points that will move when the engine is started.

6. Start the engine in the vehicle with the good battery and run the engine at a moderate speed. Then start the engine with the flat battery. Attempts to start the engine should not last longer than 15 seconds and should have an interval of 1 minute between attempts.

7. After starting, allow both engines to idle for approx. 3 minutes with the leads still connected.

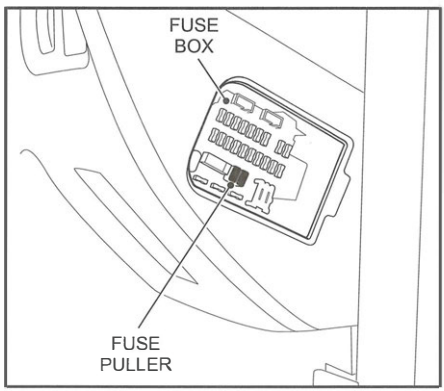
8. Leave the engine running while removing the jumper leads – in the exact reverse order they were installed. While removing each clamp, take care that it does not touch any other metal while the other end remains attached.

FUSES

There are two fuse boxes; one is on the right-hand side of the instrument panel, visible when the door is open and the other is in the engine compartment. Fuses are also located singly in the engine compartment. When replacing a fuse, turn off the respective switch.

A fuse puller is provided in the fuse box. Use this to remove and replace the fuse(s).

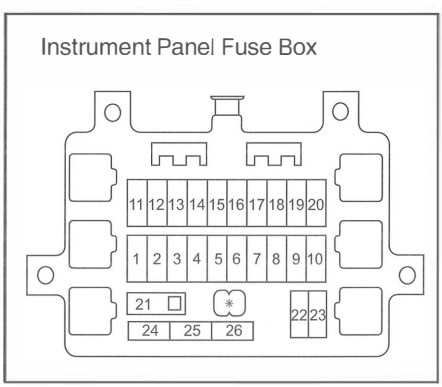
To determine whether or not a fuse is 'blown', it is necessary to pull out the suspect fuse and examine the element in the fuse. A blown fuse can be recognized by its melted wire. If a fuse blows twice in a row a fault is indicated. The cause should be promptly located and fixed.



Instrument panel fuses

To open the fuse cover in the instrument panel, open the driver's side door, pull the side of the cover then pivot outwards.

Always ensure the cover is in place after use. The fuse amperage is shown on the inside of the fuse cover.



1. Acc. socket
2. (Audio) +B
3. Starter
4. Tail/illumi. light
5. Dome light
6. Stop light
7. Power door lock
8. Mirror defog
9. Rear defog (No. 2)
10. Rear defog (No. 1)
11. Meter
12. Engine IG.
13. IG. coil
14. Back up/turn light
15. Elec. IG.
16. Rear wiper & washer
17. Front wiper & washer
18. (Audio) ACC
19. Cigar lighter
20. –
21. Power window (circuit breaker)
22. SRS
23. Immobi.
24. Spare
25. Spare
26. Spare
★ Fuse puller

FUSES cont.

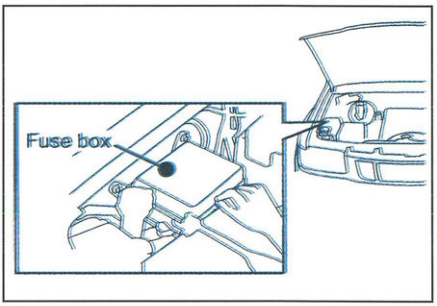
Fuse box in engine compartment

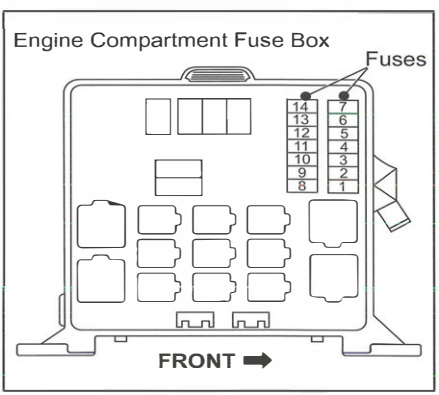
This fuse box, located on the driver's side of the engine compartment, contains circuit fuses, main fuses and relays.

To remove the cover, depress the catch on the side of the box towards the engine and release the two tabs at the opposite side.

Always ensure the cover is correctly fitted after replacing or inspecting fuses.

The fuse amperages are shown on the fuse cover.





1. Hazard
2. Horn
3. ACG-S
4. Blower
5. A/C
6. –
7. –
8. H/light – LH
9. H/light – RH
10. (Fog light)
11. O_2 sens. heater
12. Fuel pump
13. ECM
14. (TOD)

Relays are also contained in this fuse box; their location in the fuse box and their function are indicated on the cover.

Four fusible links are also located in the fuse box in the engine compartment. Their location in the fuse box and their function are indicated on the cover.

CAUTION: When replacing a fuse be sure to use a fuse of the specified amperage. Never install a wire or similar as it could damage electrical components and cause a fire.

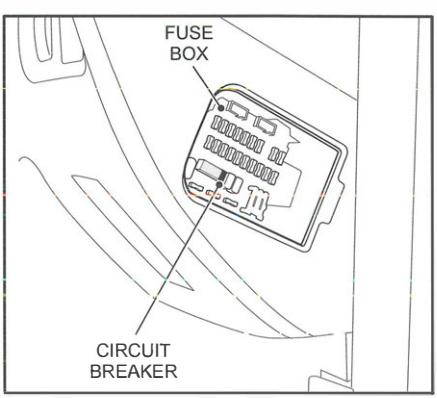
Electric windows circuit breaker

If the electric window switches do not work due to overloading etc., reset the circuit breaker, located with the fuses at the right hand side of the instrument panel, by pushing the red button.

First turn the ignition switch off before pushing the knob of the circuit breaker.

The switches should now operate.

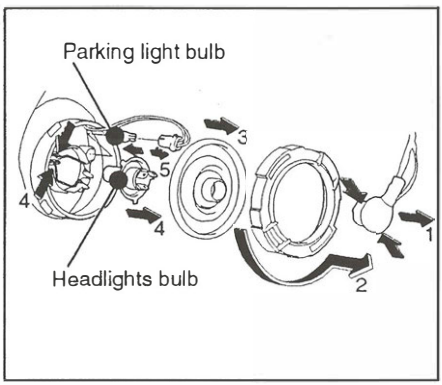
However, if the switches still do not work, or if the circuit breaker immediately goes off again, you should see your Holden Dealer as soon as possible.



BULB REPLACEMENT

When replacing a bulb, turn off the respective switch.
Do not touch new bulbs with bare hands. Greasy fingers will cause stains which evaporate, eventually resulting in a dull light. Grease spots on Halogen bulbs will, within a short time lead to bulb failures. Accidentally stained bulbs may be cleaned with tissue paper, or a clean, non-fuzzy cloth, using alcohol or white spirits.

Headlights



1. Open the bonnet and engage the support.
2. Squeeze the buttons at either side of the connector and pull the connector free.
3. Remove the headlight protective cover.
4. Remove the retaining spring.
5. Twist the headlight bulb socket in anti-clockwise and remove it.
6. Grasp the base of the headlight bulb and twist it in anti-clockwise to pull it free.

   When handling the new bulb, do not touch the glass portion.
7. Install the new bulb in the socket. Twist the bulb to the right to engage the lugs in the bulb holder.
8. Install the socket and bulb.
9. Install the retaining spring.
10. Insert the connector.
11. Install the protective cover.
12. Close the bonnet.

Re-aim headlights. Detailed procedures for headlight aiming are given in the relevant service manual for your vehicle. However, because headlight aiming is a safety item it is recommended that you have it carried out by your Holden Dealer.

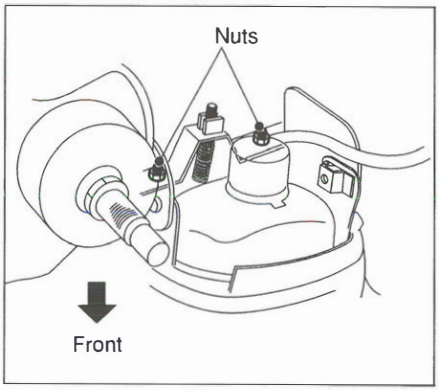
Parking light

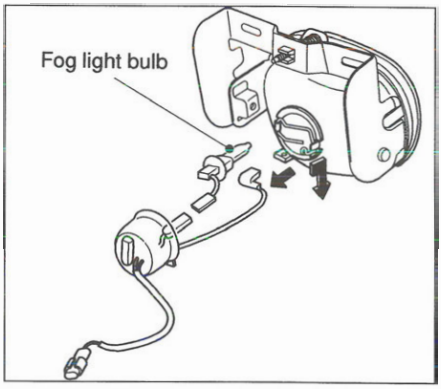
1. Open the bonnet and engage the support.
2. Squeeze the buttons at either side of the connector and pull the connector free.
3. Remove the cover.
4. Remove the retaining spring.
5. Twist the bulb socket in anti-clockwise and remove it.
6. Grasp the base of the bulb and pull it free.
7. Install the new bulb to the socket. Twist the bulb in clockwise to engage the lugs in the bulb holder.
8. Install the socket and bulb.
9. Install the retaining spring.
10. Insert the connector.
11. Install the protective cover.
12. Close the bonnet.

BULB REPLACEMENT cont.

Fog lights (if fitted)

1. Loosen and remove the two retaining nuts.
2. Pull the entire fog light assembly free.
3. Remove the cover from the fog light assembly.





4. Disconnect the ground wire.
5. Remove the retaining spring which holds the fog light bulb socket.
6. Pull the socket free.
7. Grasp the base of the fog light bulb and pull it from the socket.
8. Disconnect the lead wire from the fog light socket.

   When handling the new bulb, do not touch the glass portion.

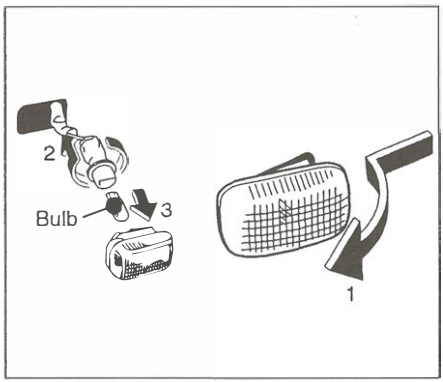
9. Install the new fog light bulb into the socket. Twist the bulb to the right to engage the lugs in the bulb holder.
10. Install the socket and bulb.
11. Install the retaining spring.
12. Connect the ground wire.
13. Insert the connector.
14. Install the protective cover.
15. Install the fog light assembly.
16. Install and tighten the two retaining nuts.

Front turn signals

It is recommended that this light be replaced by your Holden Dealer.

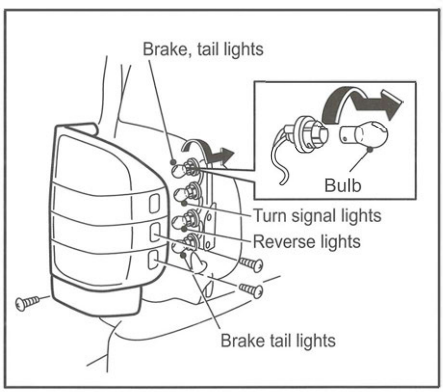
BULB REPLACEMENT cont.

Side turn signal light



1. Remove the light assembly by pushing it firmly towards the front or rear of the vehicle, and pull outwards.
2. Remove the bulb by pressing and turning it anti-clockwise.
3. Pull the bulb from the holder.
4. Insert the new bulb into the holder and install the holder into the housing by turning it clockwise.
5. Carefully press the light assembly back into the panel aperture.

Reverse lights



1. Remove the lens, held in place with three screws.
2. Remove the bulb from the holder.
3. Insert the new bulb.
4. Install the lens, taking care not to crack the lens when tightening the screws.

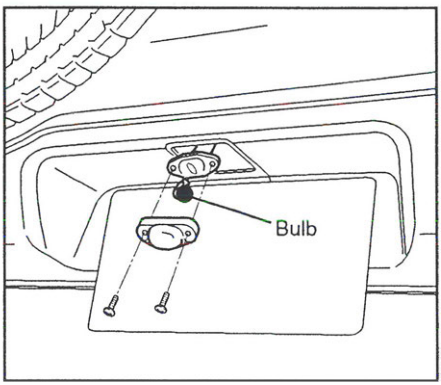
Rear turn signal, brake & tail lights

1. Remove the lens, held in place with three screws.
2. Remove the bulb from the holder.
3. Insert the new bulb.
4. Install the lens taking care not to crack the lens when tightening the screws.

BULB REPLACEMENT cont.

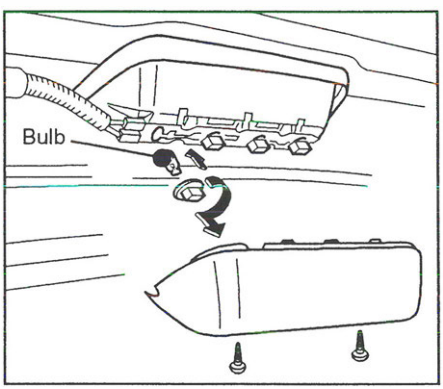
Number plate light

1. Remove the lens screws.
2. Pull the bulb from the holder.
3. Insert the new bulb.
4. Install the lens and screws.



High stop light

1. Remove the two screws from the internal cover and unclip the cover from the light assembly.
2. Remove the bulb holder from the light assembly and remove the bulb.
3. Insert the new bulb.
4. Re-install the bulb holder, cover and screws to the light assembly.

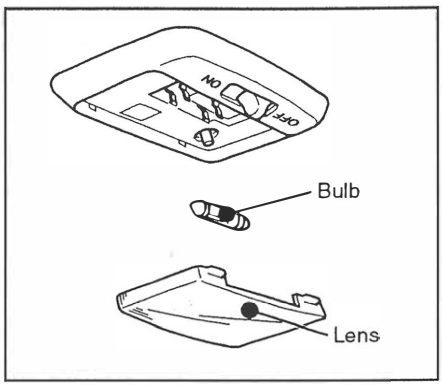


BULB REPLACEMENT cont.

Front interior light

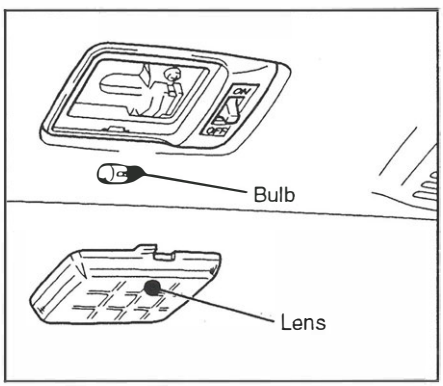
Before removing the lens, close the front doors so that the light is not live.

1. Lever out the lens by carefully inserting a flat blade screwdriver between the lens and the light housing.
2. Press the light bulb sideways towards the spring clips to remove.
3. Insert the new bulb.
4. Press the lens back into the light housing.



Load compartment light

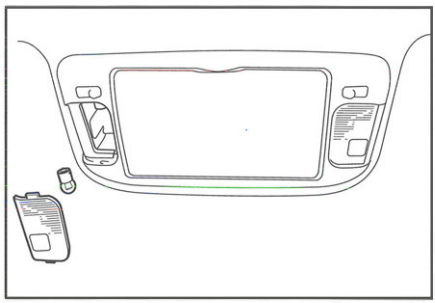
1. Lightly press in the longer sides of the lens and pull the lens from the light housing.
2. Pull the bulb out of the light housing.
3. Insert the new bulb.
4. Press the lens back into the light housing.



BULB REPLACEMENT cont.

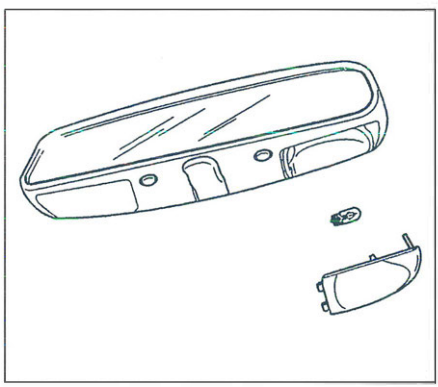
Reading light (Frontera SE)

1. Lever out the lens by inserting a screwdriver between the front of the lens and the light housing.
2. Push and rotate the reading light bulb and remove it from the holder.
3. Insert the new bulb.
4. Press the lens into the light housing.



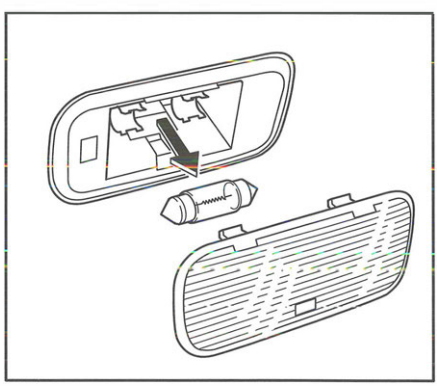
Reading light (Frontera & Frontera S)

1. Lightly press the curved end of the lens towards the centre of the mirror assembly and pull the lens from the light housing.
2. Pull the bulb out of the light housing.
3. Insert the new bulb.
4. Fit the lens to the light.



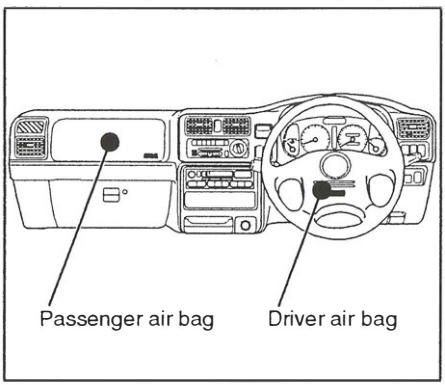
Front door courtesy lights

1. Lever out the lens from the bottom.
2. Unclip the bulb.
3. Insert the new bulb.
4. Fit the lens to the light.

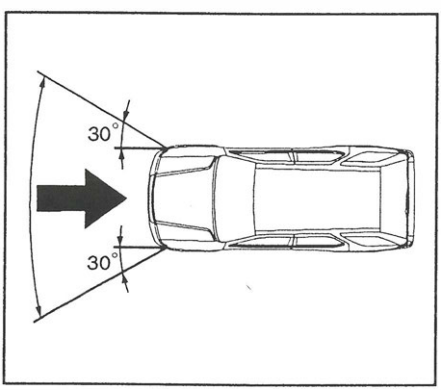


AIR BAGS

Your vehicle is fitted with a driver's air bag, stored inside the steering wheel ('Air bag' is stamped on the steering wheel). A passenger air bag is also fitted, stored in the dash panel, identified by the word 'Air bag' above the glovebox.



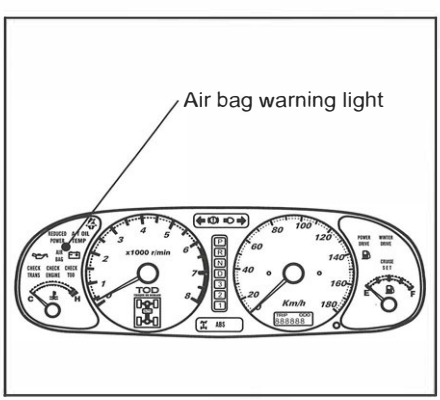
The air bag is designed to operate when the impact occurs to the front of the vehicle up to an angle of 30 degrees.



Air bags are only part of the 'Supplemental Restraint System. They assist, but do not replace the seat belts. The air bags are not designed to inflate if the vehicle is hit from the rear or side or the vehicle overturns. *Seatbelts must be worn by all passengers whenever the vehicle is moving.*

Air bag warning light

The air bag light on the instrument panel will flash 7 times when the ignition is switched ON. This is to indicate that the air bags are operational. If the light *does not* flash when the ignition is switched to ON, or if it comes on when driving, you should contact your Holden Dealer.



AIR BAGS cont.

What happens when the air bag system activates

The two air bags will operate as a pair – they are triggered simultaneously.

In a severe front end collision, both front air bags inflate, assisting seat belts to restrain forward body movement.

When air bags inflate an operating noise may be heard and a small amount of smoke-like gas is released. The gas is harmless and does not indicate malfunction or fire. The air bags then deflate – the whole process *only taking a moment*.

After inflation

After inflation the whole air bag system will have to be replaced. It is recommended that the work be done by your Holden Dealer.

Occupant precautions

Air bags inflate with great force. If you are too close to an inflating air bag it may cause injury. Seat belts help keep you in position for air bag inflation in the event of a crash.

Front passenger's air bag: The dashboard area must be kept clear. Do not place any objects over the dashboard or between an air bag and yourself. Nothing should hang from the sun visor or mirror and a passenger must not rest their feet on the dashboard.

Driver's air bag: The horn pad must not be covered with adhesive or any other material. The driver should adjust the seat as far back as possible and sit back as far as possible while still maintaining control of the vehicle.

Service precaution

Extensive design and testing has gone into the air bag system. It is extremely reliable and has little chance of accidental inflation. It should however, be treated with respect. Any careless or unskilled interference with the system could lead to its failure or to accidental inflation. It is recommended that any work to the electrical system, steering column, dashboard area, steering wheel or air bag system be carried out by a Holden Dealer.

The system should be inspected if the steering wheel or dashboard area is cracked or damaged. It is recommended that the work be done by your Holden Dealer.

BULL BAR NOTE: Fitting a 'bull bar', or making other modifications to the front of the vehicle, may change the impact speed which would normally cause the air bag to inflate, reducing its effectiveness. Bull bars should not be fitted to vehicles operating in suburban areas, as they increase the risk of injury to a pedestrian in the event of a collision. Bull bars are only recommended for country/outback areas, where additional protection from straying animals is required. Please remember that defensive driving and limiting driving speed to the road conditions is always the best approach, particularly where road side signs indicate wildlife is abundant.

AIR BAGS cont.

Passenger side air bag and child restraints

Extreme Hazard! Do not use a rearward facing child restraint on a seat protected by an air bag in front of it! The child could be seriously injured if the passenger's side air bag inflates, as the child's head would be very close to the inflating air bag.

Where legally allowable, you may install a forward-facing child restraint in the front seat, but ALWAYS move the passenger seat as far back as it will go.

It is always better to install a child restraint in the rear seat.

NOTES

CHAPTER 7

Weekly Checks

Page

7-2 Miscellaneous Checks
7-3 Engine Coolant Level
7-4 Engine Oil Level
7-5 Engine Oil Consumption
7-6 Brake Fluid Level
7-6 Clutch Fluid Level
7-7 Power Steering Fluid Level
7-7 Washer Fluid Level
7-7 Auto Transmission Fluid Level
7-8 Tyres
7-10 Battery
7-11 Hoist Locations

MISCELLANEOUS CHECKS

As well as taking your vehicle to be serviced (Refer Chapter 12) there are a few simple, weekly checks that the owner/operator is required to make. These are shown on the following pages.

CAUTION: Electronic ignition systems have a high ignition power. Do not touch the ignition system while the engine is running.

The following checks should also be done regularly to ensure safety of your vehicle:

- all exterior lights are working and that their appropriate interior indicators light up.
- mirrors and glass are clean and not scratched.
- the aim of washer jets on the windscreen or tailgate window and condition of the wipers.
- demister operates.
- horn works.
- condition and operation of all seat belts and check that buckles are clean and operating correctly. Remember that seat belts must never be worn twisted.

ENGINE COOLANT LEVEL

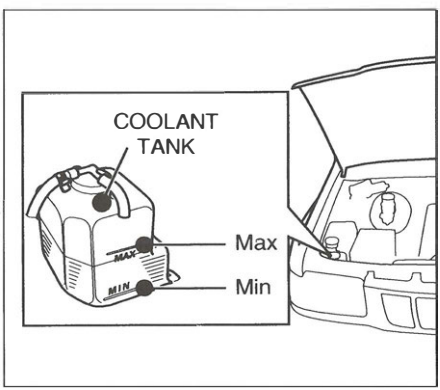
To check the coolant level

The coolant level should be checked at least weekly. This is simply a matter of looking at the level in the plastic coolant tank.

The level should be slightly above the MIN mark when the engine is cold. The level rises when the engine is running and drops again when the engine cools down. If the level falls below the MIN mark the coolant should be topped up to a little over the MIN mark.

To add coolant

The LONG LIFE COOLANT in your vehicle conforms to Holden specification number HN 2217. Refer to Chapter 8 for the coolant part numbers and specifications.



If the plastic coolant tank requires topping up, first pre-mix a solution of 50% LONG LIFE COOLANT and 50% water.

Ensure the ignition is switched OFF.

Undo the cap on the top of the plastic tank, add the pre-mixed solution and secure the cap.

Failure to use a coolant meeting Holden's specification or maintaining the specified concentration may result in voiding your warranty.

In emergency situations, plain water may be used temporarily until the correct Holden long life coolant is obtained as soon as possible from the nearest Holden Dealer.

The specified long life coolant works in three ways: it contains special corrosion inhibitors, it helps the cooling system in hot weather by increasing the boiling point and it protects against freezing down to –30°C, depending on the concentration.

If you regularly have to top up the cooling system you should see your Holden Dealer.

CAUTION: Corrosion inhibitors and anti-freeze fluids are poisonous. Use extreme care when handling. If swallowed seek medical attention.

Do not remove the radiator cap or plastic coolant tank cap if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.

Refer to page 6-9 if engine overheats.

ENGINE OIL LEVEL

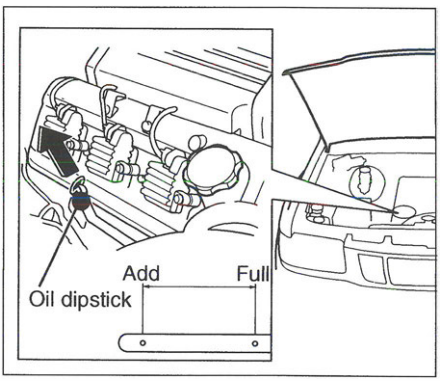
To check the level

- The oil level should be checked weekly.
- Check the level when the oil is warm, such as when stopping for fuel.
- The vehicle must be on level ground.
- After switching off the engine, wait a few minutes for the oil to settle.

The level is checked from the dipstick.

Remove the dipstick and wipe it clean with a clean cloth or paper. Insert the dipstick firmly all the way down, pause for a second then withdraw the dipstick and look at the oil level on it.

The oil level should be between the two marks, neither going above the FULL mark nor under the ADD mark. The distance between the ADD and FULL marks represents approximately 1 litre of oil. Remember to insert the dipstick firmly after taking the reading. *Jiggling the dipstick may help while inserting it.*



To add oil

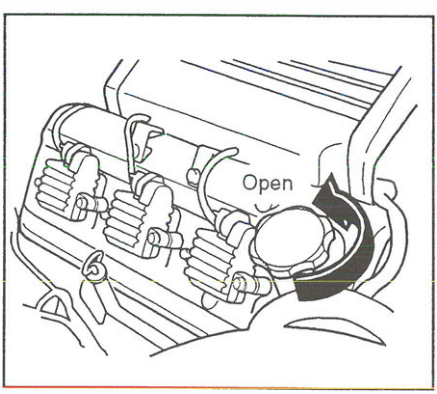
If the level is low and you need to add oil, use SG or SH grade engine oil 20W/50, or 15W/40 for prolonged use in snow areas.

To add oil, remove the oil cap on top of the engine. Pour the required oil into the opening. Wait a few minutes for the oil to settle. Then check the oil level with the dipstick again. If still too low, add more oil.

When the level is correct, replace the cap and the dipstick and clean up any spilt oil.

If you check the oil level when the oil is cold do not run the engine first, as the cold oil will not drain back into the oil pan fast enough to give an accurate reading.

NOTE: Non-detergent and other low quality oils are specifically not recommended. The use of break-in oil, tune up compounds, friction reducing compounds and other supplemental additives is not recommended. Their use will increase costs, may be detrimental to the operation of your vehicle and may void your New Vehicle Warranty, to the extent that Holden considers the non-recommended fluid to have affected the specifications or quality of your vehicle.



Remove the oil cap by turning anti-clockwise.

ENGINE OIL CONSUMPTION

Every internal combustion engine uses a certain amount of oil, especially when running-in. The engine is dependant on oil for lubricating the cylinder walls, pistons, piston rings and valve stems. A thin film of oil is left on the cylinder walls, some of which is carried into the combustion chamber and burnt during the combustion process. This also applies to the film of oil on the valve stems which is drawn into the combustion chamber and burnt.

There are several other factors that contribute to the rate of oil consumption in your engine: worn piston rings, valve stems and guides, the way in which the vehicle is operated, the quality and grade of oil, the oil level and dilution of the oil.

• Operation of the vehicle

High speed driving and heavy towing increases engine temperature, which lowers oil viscosity, causing more oil to reach the combustion chamber and get burnt away.

• Quality and grade of oil

Oil viscosity is a significant factor in oil consumption. If you use an oil which is too 'thin' (low viscosity) your oil consumption will increase. Use only the recommended grades of oil.

• Oil level

Maintaining a proper oil level is also an important factor in controlling oil consumption. An over full engine will splash oil onto the cylinder walls in quantities greater than the piston rings can control. This excess oil will be drawn into the combustion chamber and burnt, or may result in aeration of oil in the sump causing damage to the engine.

• Dilution

Probably the most prevalent complaint of oil consumption comes from the driver whose vehicle is frequently driven at below normal operating temperatures. The oil becomes diluted by fuel and moisture which settles in the oil pan and may even raise the oil level creating a false reading on the oil level dipstick. For example, in a vehicle that has accumulated 1,500 km of short distance or intermittent city operation and has consumed a normal amount of oil, the level may not have dropped from the FULL mark, due to dilution. If this vehicle is driven for some distance at highway speeds on a warm day, the dilution elements evaporate, lowering the oil level and the motorist assumes the oil "lost" has been consumed in the highway operation.

If, after taking into account the above factors you are still concerned that your engine has excessive oil consumption then you should discuss the situation with a Holden Dealer. Remember that an engine's oil consumption should not be judged until it has run at least 7,000 km.

BRAKE & CLUTCH FLUID LEVELS

Brake fluid level

CAUTION: Brake fluid is poisonous and corrosive and will damage the paint finish of your vehicle if spilt.

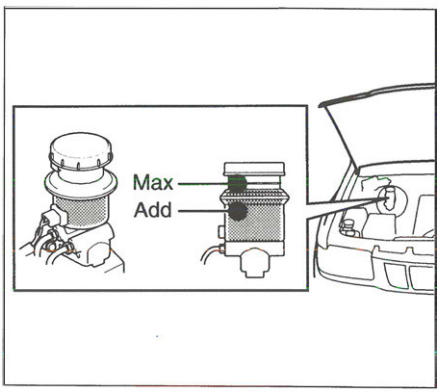
The brake fluid level should be checked weekly. The fluid level, is visible through the container and should be maintained between the MIN and MAX level marks. If the fluid is between these levels do not remove the cap, as brake fluid will quickly absorb moisture if exposed to the atmosphere.

If fluid does need to be added, first ensure that the ignition is switched to OFF.

Wipe clean the sides of the cap and remove the cap. Top up with heavy duty brake fluid, which meets specification SAE J1703, DOT3. Remember to replace the cap and clean up any spilt fluid.

Use only new brake fluid. Use of old, used or inferior brake fluid may endanger the functioning of the brake system.

If the brake fluid requires constant topping up it could indicate that a fault exists and you should immediately see your Holden Dealer.



Clutch fluid level

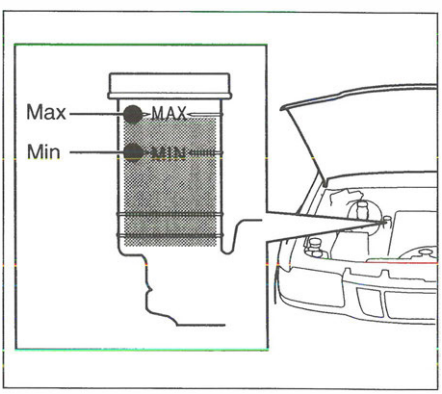
The clutch fluid level should be checked weekly. The fluid level, is visible through the container and should be maintained between the MIN and MAX level marks. If the fluid is between these levels do not remove the cap, as the fluid will quickly absorb moisture if exposed to the atmosphere.

If fluid does need to be added, first ensure that the ignition is switched OFF.

Wipe clean the sides of the cap and remove the cap. Top up with heavy duty **brake** fluid (both the clutch system and the brake system use **brake** fluid) which meets specification SAE J1703, DOT3. Remember to replace the cap and clean up any spilt fluid.

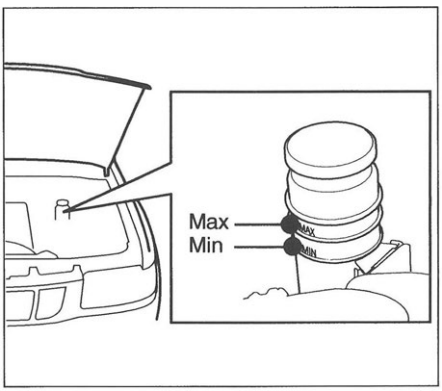
Use only new fluid. Use of old, used or inferior fluid may endanger the functioning of the clutch system.

If the clutch fluid requires constant topping up it could indicate that a fault exists and you should immediately see your Holden Dealer.



STEERING, WASHER & AUTO TRANS FLUID LEVELS

Power steering fluid level



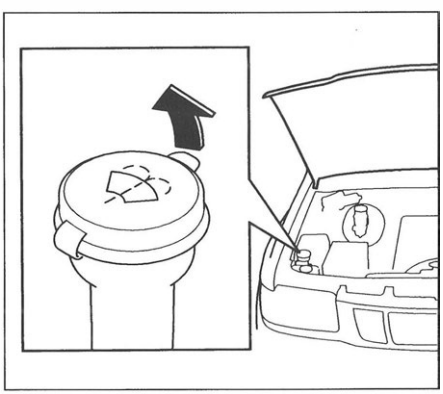
The level should be checked after the vehicle has been driven for a while (at least 20 minutes) so that the fluid is warm. A convenient time is when stopping for petrol.

Ensure the ignition is switched OFF.

When the fluid is cold the level should not fall below the MIN mark on the reservoir. When the vehicle has been driven for a while and the fluid is hot, the level should be near the MAX mark on the reservoir.

If fluid needs to be added, use DEXRON® III. Do not overfill, remember to replace the cap tightly and clean up any spilt fluid. If you often need to add fluid, you should see your Holden Dealer.

Washer fluid level



The container shown supplies water to both the front windscreen washer and the rear window washer.

As washer fluid is often used, the level should be checked and topped up weekly.

For a crystal clear windscreen, the correct amount of Optikleen (Part No. M39826) can be added. Do not use ordinary soap or detergent as these not only froth up but will also damage the wiper rubbers and may block the washer jets.

Make sure the cap is secured.

Automatic transmission fluid level

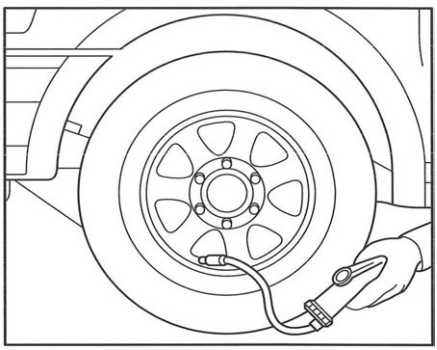
The automatic transmission fluid level will be checked by your Holden Dealer when the vehicle is serviced.

If an oil leak occurs before the service is due you should consult your Holden Dealer as soon as possible.

The transmission fluid level should be inspected and fluid replaced at intervals shown in the Maintenance Schedule, listed in Chapter 12.

TYRES

Tyre air pressure



Weekly checking of the air pressure of your tyres (including the spare) ensures your safety, as well as reducing fuel consumption and increasing the life of your tyres.

For constant long distance or rough road driving, daily checking is recommended.

The correct pressure for your tyres is shown on the tyre placard, located on the driver's door lock pillar, visible when the door is open.

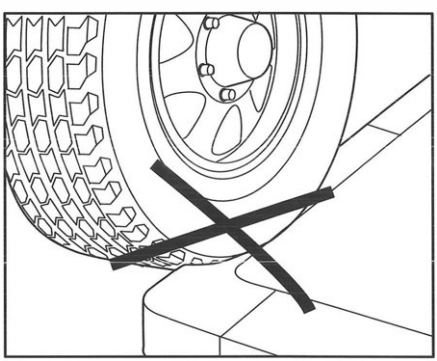
Tyre inflation pressure increases when the tyres have been driven more than 2 km. Therefore, the pressure should be checked when the tyres have been stationary for over 3 hours. If they must be checked immediately after driving, increase the pressure shown on the placard by 10%.

Always use a tyre pressure gauge to check the tyres – simply looking at the tyres is not sufficient.

Remember to replace any valve dust caps or extensions, as this stops dirt and moisture from fouling the valves.

If the pressure is too low, considerable tyre warm up and internal damage can occur, leading to tread separation and even to a tyre blowout at high speeds. Hidden tyre damage cannot be fixed by adding air afterwards.

Tyre and rim condition



Driving over sharp edges can lead to hidden tyre damage and rim damage, which can lead to tyre blowout.

Drive over edges slowly and at right angles if possible. When parking, ensure that the tyres are not pressed against the edge of the curb.

Check the tyres regularly for damage: stones, punctures, cuts, cracks, bulges etc. Check the rims for damage. Consult a Holden Dealer if in doubt.

Alignment and balance

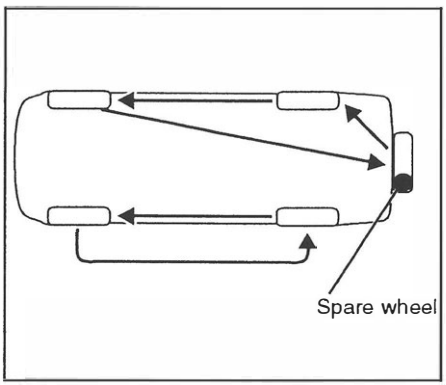
Improper wheel alignment can cause the tyres to wear faster and unevenly. It can also cause the vehicle to pull to the left or right.

Out-of-balance wheels and tyres can cause annoying vibration and uneven tyre wear.

If you suspect either of the above problems exist have a wheel alignment and balance check carried out by your Holden Dealer.

TYRES cont.

Tyre rotation



Front and rear tyres perform different jobs and can wear differently depending on the types of roads driven, your driving habits, wheel alignment, balance, tyre pressures etc.

Check the tread depth regularly. If the front tyres have more wear than the rear tyres, have both front wheels changed with the rear wheels so that the tyres with the deeper tread are on the front.

If the wheels are rotated it is recommended that the balance be checked at the same time.

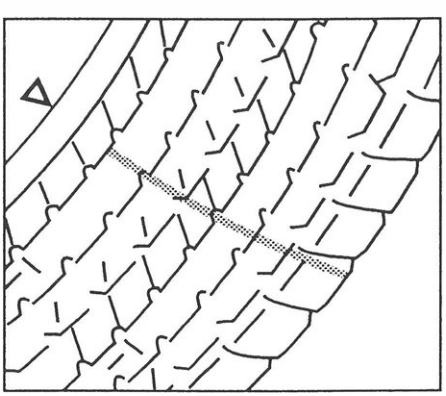
Replacement and repair

Replacing your factory fitted wheels and tyres with non specified wheels and tyres may affect your warranty as well as your insurance policy. Refer to the tyre placard on your vehicle for tyre size and load rating, see previous page. Using a different size or type of tyre may affect such things as ride, handling, speedometer, vehicle ground clearance, tyre clearance or snow chain clearance.

Take care when using tyres with heavy treads, including tyres made for better grip in the wet. At sustained high speeds, this type of tyre will run at higher temperatures than standard tyres and consequently should only be operated within the limits recommended by the manufacturer. Any doubts about the tyres on your vehicle should be referred to your Holden Dealer.

New tyres should be fitted in pairs to the front. If replacing only one tyre, it should be paired on the same axle with the least worn of the other three.

You should replace your tyres when:



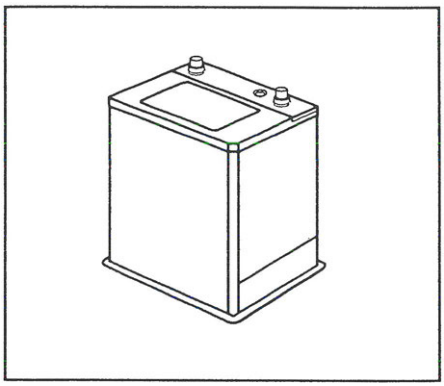
- The tyres are worn to the point where the tread indicators appear, or the cord or fabric is showing. The tyres originally fitted to your vehicle have built-in tread indicators which show up when the tyres are worn.
- The tread or sidewall is cut, split, or cracked deep enough to expose the cord or fabric.
- The tyre has a bump or bulge in it, indicating some kind of internal damage.
- The tyre has a puncture, cut or other damage which can't be repaired because of the size or location of the damage.

Do not attempt to drive on the flattyre more than is necessary to stop safely. Driving even a short distance can damage the tyre and wheel beyond repair. Tyres which have been repaired or retreaded cannot be driven safely at high speeds. Therefore, their use is not recommended.

BATTERY

Battery maintenance

The battery is 'maintenance-free'. This means that the battery is sealed and the level does not have to be checked.



Flat battery

Refer page 6-11 for emergency starting when the battery is flat.

Battery specification

12 volt, maintenance free, 60 Ah.

HOIST LOCATIONS

You should always use the jack locations shown on page 6-6 and 6-7 when using the original jack supplied with your vehicle. This jack has been designed to correctly and safely lift your vehicle, provided the cautions in Chapter 6 are observed.

However, if using a hoist to raise the vehicle, it is important that the hoist pads be positioned as shown below.

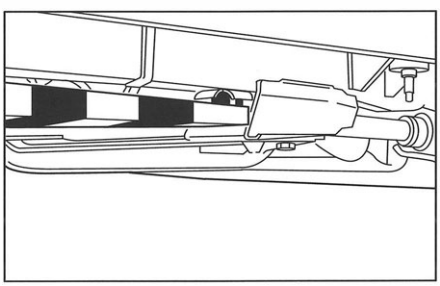
The arms of the hoist must be fitted with height extended pads.

To avoid damage to the vehicle, always use rubber pads.

Also note the cautions on page 6-5 prior to lifting.

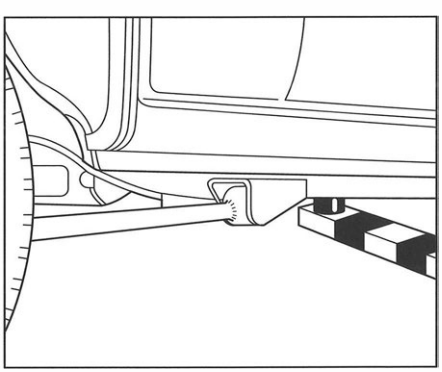
Front

The pads should be located on the chassis rail adjacent to the transmission crossmember.



Rear

The pads should be located under the trailing link pivot or forward of the pivot on the chassis rail.



NOTES

CHAPTER 8

Specifications

Page

8-2 Fluids & Lubricants
8-3 Body Dimensions
8-4 Identification Labels

FLUIDS & LUBRICANTS

Vehicle model	UES
Engine type/model	V6 petrol /6VD1
Engine oil	Service classification SG or SH. Viscosity grade 20W/50 for normal use. For prolonged use in snow areas, the use of 15W/40 is recommended.
Engine oil refill capacity	4.7 litres approximately (including filter)
Coolant specification	50% water and 50% coolant, conforming to Holden spec. No. HN2217, part No. 92140054 (1 litre), 92140057 (5 litres) and 92140055 (20 litres).
Coolant capacity	Manual transmission: 11.0 litres
	Automatic transmission: 11.1 litres
Fuel type	Unleaded fuel of a least 91 octane rating
Fuel tank capacity	80 litres approximately
Clutch fluid	Heavy duty brake fluid DOT 3, SAE spec. J1703
Manual transmission and transfer case oil (exc. TOD)	Same oil as in engine or 5W/30 or 10W/40 synthetic engine oil
Universal joints – propeller shaft	No. 2 Lithium based grease, with approximately 7% soap
Rear axle oil	API-GL5 80W/90 gear oil (LSD oil – S and SE models)
Front axle oil	API-GL5 80W/90 gear oil
Brake fluid	Heavy duty brake fluid Dot 3, SAE spec. J1703
Power steering fluid	Dexron® III
Auto transmission and TOD transfer case fluid	Dexron® III

BODY DIMENSIONS

Length	4670 mm
Width	1785 mm
Height, unloaded	With roof rail: 1760 mm
	Without roof rail: 1690 mm
Wheel base	2700 mm
Front track	1515 mm
Rear track	1520 mm
Minimum ground clearance	200 mm

IDENTIFICATION LABELS

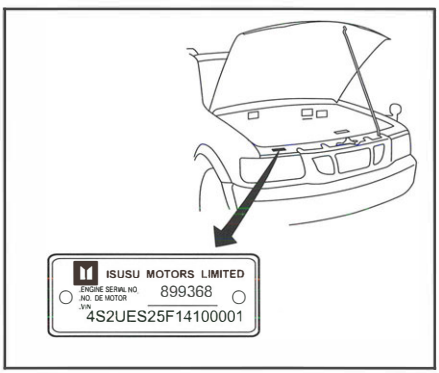
Engine number

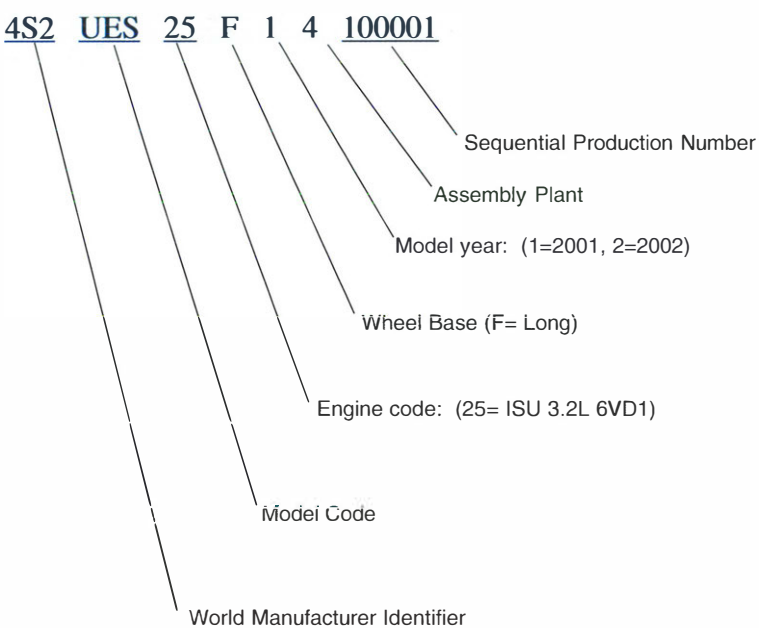
The engine number is stamped on the lower passenger side of the engine block on a raised pad just above the starter motor.

Vehicle identification number

The vehicle identification number (VIN) is stamped onto a plate located on the radiator support panel behind the driver's side headlight in the engine compartment. This plate also lists the engine serial number.

The VIN is an internationally standardised format of vehicle identification. This number is sometimes referred to as the I.S.O.V.I.N meaning International Standards Organization Vehicle Identification Number.

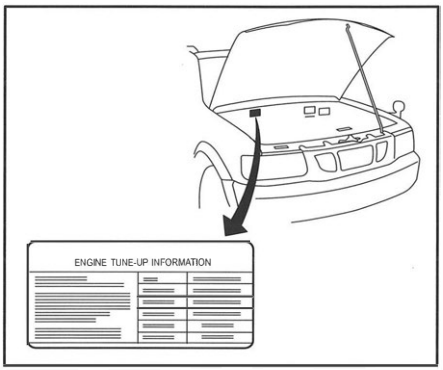




IDENTIFICATION LABELS cont.

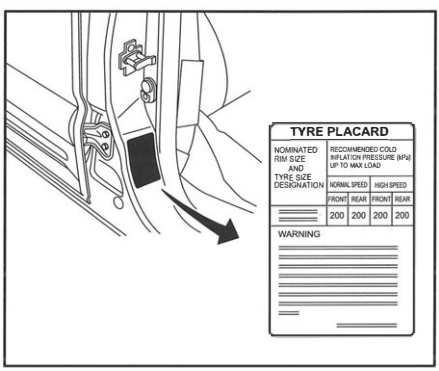
Emission label

The emission label is located on the driver's side of the dash panel in the engine compartment.
It shows the relevant tune-up information required to maintain minimum exhaust emissions.



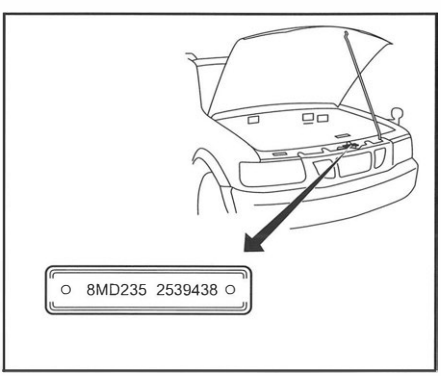
Tyre placard

The tyre placard is located on the driver's door lock pillar, visible when the door is open.



Holden identification plate

The Holden Identification Plate is riveted near the centre of the radiator support panel in the engine compartment.
It is used for warranty identification, roadside assistance identification etc.

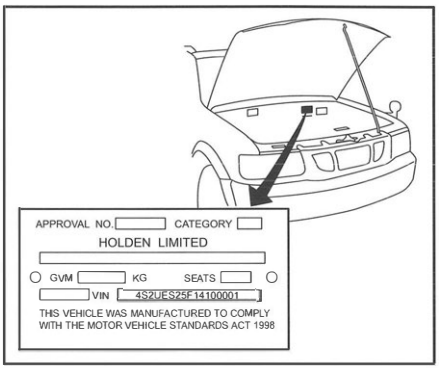


IDENTIFICATION LABELS cont.

Safety compliance (ADR) plate

The ADR plate is riveted to the passenger side dash panel in the engine compartment.

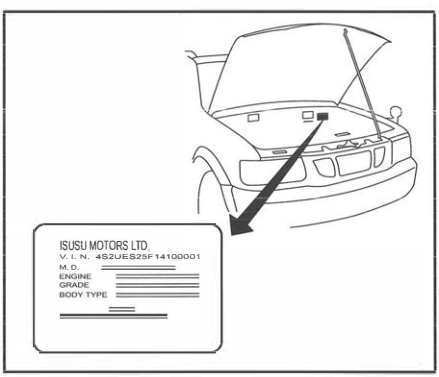
It displays the approval numbers, category, manufacturer's name, model name and code, the gross vehicle mass (GVM), seating capacity, build date and VIN.



Body and options plate

The body and option plate is located on the passenger side of the dash panel in the engine compartment.

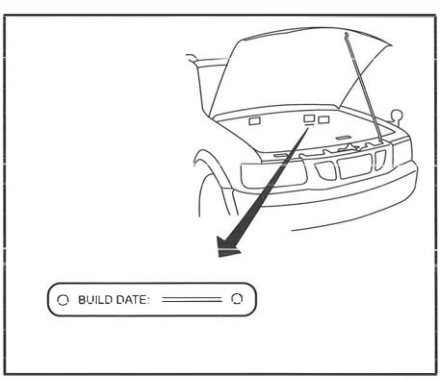
It displays the VIN and codes for options that have been built into the vehicle, for example the body type, body colour, trim level, engine code, transmission code and model designation.



Build date plate

The build date plate is riveted to the passenger side of the dash panel in the engine compartment, below the safety compliance plate.

It displays the date upon which the vehicle was built.



CHAPTER 9

After Sales

Page

9-2 New Vehicle Warranty
9-4 Parts and Accessories Warranty
9-5 Warranty Questions & Answers
9-8 Roadside Assistance
9-10 Customer Assistance
9-11 Authorised Holden Dealers

Note: Dealership names and details may change after the printing of this Handbook. The list contains both Authorised Holden Dealers and Authorised Holden Service Operations.

NEW VEHICLE WARRANTY CERTIFICATE

New Vehicle Warranty application

This Warranty is given by Holden Ltd, ABN 84 006 893 232, ("Holden"). The Warranty applies to the vehicle identified on the inside front cover of this Owner's Handbook. It is provided to the original and subsequent owners/operators driving the vehicle within Australia during the Warranty Period.
This Warranty is given in addition to all rights conferred by law on that person.

Australian vehicles

This Warranty is only applicable to vehicles purchased and operated in Australia.

Owners of vehicles purchased in Australia but operated overseas should consult the local dealer in the country of operation about any Warranty applicable to their vehicle. This Warranty does not apply for Holden vehicles exported overseas. Similarly, this Warranty is not provided for vehicles purchased overseas and imported into Australia.

Repairs covered

Subject to the exclusions shown on the following page, this Warranty covers the correction, during the Warranty Period, of any vehicle defect related to materials or workmanship and advised to a Holden Dealer or Authorised Service Outlet, by repair or at Holden's option by replacement.

Warranty period

The coverage commences from the date of delivery (or in the case of a demonstrator vehicle the date when the vehicle was first placed into service by the Dealer). The coverage expires at the end of the period of 3 years after the commencement date or after the vehicle has travelled 100,000 kilometres, whichever occurs first.

No charge

Warranty work undertaken (including parts and labour) will be carried out at no cost to the vehicle owner. However, this work should not be confused with servicing specified in the Maintenance schedule in Chapter 12 of this Owner's Handbook for which a charge is payable.

NEW VEHICLE WARRANTY CERTIFICATE cont.

Warranty exclusions

- **Damage**

  Your Warranty does not extend to the following damage:
  Damage caused by an accident, fire, theft or moving objects striking the vehicle.
  Damage caused by industrial fallout, chemicals or sealants.
  Damage caused by atmospheric fallout or flood, hail, salt, etc.

- **Maintenance items**

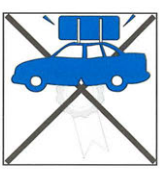
  Services such as brake adjustment, replacement of filters, wiper rubbers etc., which are required as part of normal vehicle maintenance (refer Chapter 12).

- **Tyres**

  The tyres (and tubes where applicable) fitted to your vehicle are not covered by this Warranty. However, they may be covered by the tyre manufacturer.

- **Batteries**

  Batteries are warranted for 12 months.



- **Misuse**

  This Warranty does not cover damage caused by:

  (a) misuse or abuse of the vehicle such as by racing, rallying, overloading, etc., or neglect
  (b) operation of the vehicle after the defect is known
  (c) failure to carry out proper maintenance services (refer Chapter 12)
  (d) use of incorrect types and grades of fuel, oil or lubricants
  (e) alteration of the vehicle by anyone not authorised by Holden
  (f) fitting of parts or accessories not marketed by Holden
  (g) any work carried out on the vehicle by anyone except an authorised Holden Dealer or authorised Service Outlet.

PARTS AND ACCESSORIES WARRANTY

Holden warrants Holden approved Parts and Accessories ('Parts' and 'Accessories') for the periods and on the conditions set out below. The Warranty covers the correction, during the relevant Warranty Period, of defects in any such Parts and Accessories, by repair or at Holden's option by replacement.

- **Accessories installed to the new vehicle**

  Holden approved Accessories installed by a Holden Dealer or authorised Service Outlet to the new vehicle at the time of purchase are covered together with the New Vehicle warranty for the period of 3 years or 100,000 km, whichever occurs first.

- **Parts and Accessories installed after new vehicle delivery by a Holden Dealer or authorised Service Outlet**

  Parts and Accessories installed after new vehicle delivery by a Holden Dealer or authorised Service Outlet are covered for 2 years or 50,000 km (whichever occurs first). If the vehicle is still within the New Vehicle Warranty the Parts and Accessories are covered by the longer of:

  2 years/50,000 km (whichever occurs first)

  or

  the end of the New Vehicle Warranty.

  As an example, an Accessory installed in a 7 month old car would be covered until the end of the New Vehicle Warranty; an Accessory installed in a 2½ year old car would be covered until the end of 4½ years or a further 50,000 km from when the Accessory was installed.

- **Purchased at retail or trade**

  Parts and Accessories purchased at trade or retail and installed by other than a Holden Dealer or authorised Service Outlet are warranted for 1 year from the date of purchase. Please keep a receipt to support warranty claims.

  The Warranty does not cover the labour costs of removal / reinstallation of Parts and Accessories when installed or rectified by other than a Holden Dealer or authorised Service Outlet.

- **Parts and accessories warranty exclusions**

  The tyres (and tubes where applicable) are not covered by this warranty. However, they may be covered by the tyre manufacturer.
  Batteries are warranted for 12 months from date of purchase.
  Parts which are required as part of normal vehicle maintenance are warranted against manufacturing defect at the time of installation.

WARRANTY QUESTIONS

This section is designed to assist you in understanding the Holden Warranty provided with your new vehicle.

The following are some of the most frequently asked questions for which detailed answers have been provided.

Q 1. How do I go about obtaining Holden Warranty service?

It is the responsibility of the Selling Dealer to provide Holden Warranty service, therefore, you should take your vehicle to the Selling Dealer whenever Holden Warranty service is needed. However, if this is not possible, you may go to any other Authorised Holden Dealer. The details recorded inside the front cover of this handbook will be required by the Dealer.

Q 2. What should I do if my vehicle becomes unsafe or inoperative as a result of a defect which is covered by the Holden New Vehicle Warranty?

You should contact the nearest Authorised Holden Dealer or Holden Customer Assistance Service (refer further in this chapter) as soon as possible, and arrange for that Dealer to carry out the required Holden Warranty Service.

Q 3. What should I do if, in an emergency, Holden Warranty service is required and an Authorised Holden Dealer is not available to provide such service at the time?

If, in an emergency, a repair, replacement or adjustment (covered by the Holden New Vehicle Warranty) is required to enable your vehicle to be operated safely and it is not practical for you to go to an Authorised Holden Dealer, the service (to the extent that it is necessary to enable your vehicle to be operated safely) may be performed by any other qualified mechanic or repairer. A claim for the reasonable cost may be made through the authorised Holden Dealer who would normally provide you with Holden Warranty service. You must also take your vehicle to the Authorised Holden Dealer for inspection of the service and/or completion of any required Holden Warranty service, as soon as possible.

Note: During normal business hours you should seek authorisation from your nearest Authorised Holden Dealer or Holden Customer Assistance Service, prior to repairs being commenced.

Q 4. Are damage or injury, loss of time, inconvenience, commercial or other direct or indirect loss covered by the Holden Warranty?

No, these items are not covered. Holden warranty only covers the repair, replacement or adjustment of those parts of your vehicle which are found to be defective in materials or workmanship. No other types of claim for compensation of any kind, even if the same resulted from a consequence of a defect in materials or workmanship in your vehicle, will be recognised under the Holden New Vehicle Warranty.

You may have rights under the law to claim compensation outside of the Holden New Vehicle Warranty, but any claim based on those rights should be separately pursued.

WARRANTY QUESTIONS cont.

Q 5. Will I have to pay for maintenance costs during the Warranty Period?

Maintenance costs are not covered by the Holden New Vehicle Warranty. The Maintenance Schedules in this handbook (refer Chapter 12) specify the *minimum* maintenance required for your vehicle operating under normal conditions.

The Maintenance items (except where they are required as a result of defects in materials or workmanship) for which you will have to pay include:

- Engine tune-up, including spark plugs replacement.
- Replacement of all filters, engine and other belts, hoses, wiper blades, clutch linings.
- Cleaning or flushing of fuel, coolant, brake, engine, transmission, differential, power steering etc., after 1,500 km.
- Carbon and sludge removal.
- Maintenance servicing of emission control system devices.
- Adding to (or replacing) lubricants.
- Adding to (or replacing) air conditioning refrigerant, after 1,500 km.
- Any necessary adjustments to drive belts, transmissions, clutch, park brake etc.
- Wheel balancing – after 5,000 km.
- Wheel alignment.
- De-dusting or de-glazing of brake linings or pads – after 1,500 km.
- Brake lining wear or damaged brake components due to lining wear
- Clutch lining wear or damaged clutch components due to lining wear
- Brake disc pad or disc wear.
- Battery recharging.
- Paint, bright metal finish and trim, due to normal deterioration.
- Body panel adjustment – after 1,500 km.
- Door, or bonnet lock adjustments.
- Glass or channel adjustments – after 1,500 km.
- Body rattle, squeaks and general tightening of bolts, fasteners and fittings – after 1,500 km.
- Chipped glass or breakage.
- Torn or damaged floor mats or carpets.
- Normal wear and tear to trim components.

Q 6. Are my tyres covered by the Holden New Vehicle Warranty?

No. The tyres fitted to your vehicle are covered by a separate warranty provided by the tyre manufacturer. Any Authorised Holden Dealer will assist you by discussing any queries which you might have with respect to the tyre manufacturer's warranty with the tyre manufacturer's representative.

WARRANTY QUESTIONS cont.

Q 7. Will I have to pay for any costs or expenses in connection with the provision of Holden Warranty service?

All parts and labour used in carrying out Holden Warranty service at the premises of the servicing Holden Dealer are free of charge. Whenever Holden Warranty service is to be carried out by the servicing Holden Dealer it is your responsibility to deliver your vehicle to the servicing Holden Dealer's premises.

If, as a result of a defect which is covered by the Holden New Vehicle Warranty, your vehicle cannot be driven safely and you arrange for the nearest Authorised Holden Dealer to carry out the required Holden Warranty service, Holden will accept reasonable towing costs to move your vehicle to the nearest Holden Dealer's premises. Before employing a towing company, contact the nearest Holden Dealer and/or Holden Customer Assistance Service (refer page 10 of this Chapter) to obtain guidance.

Q 8. Would my vehicle's engine benefit from fuel additives, oil additives or coolant additives not marketed by Holden ?

The use of break-in oil, tune-up compounds, friction-reducing compounds and other supplemental additives is not recommended; their use will not only increase operating costs, but may also be detrimental to the operation of your vehicle.

Only the fluids and lubricants referred to in this handbook should be used.

UNAUTHORISED STATEMENTS IN RELATION TO HOLDEN PRODUCTS

No Holden Dealer or other person is authorised or permitted to give or make any statement, assertion or undertaking in relation to the quality, performance, characteristics, descriptions or fitness for any purpose of any Holden product or in connection with the supply of any Holden product, which is at variance with any written statement, assertion or undertaking on any of these subjects given or made by Holden in its published sales literature, and Holden does not accept any such unauthorised action.

ROADSIDE ASSISTANCE

3 YEAR
24 HOUR ROADSIDE ASSISTANCE

Our commitment to your satisfaction

Holden's Roadside Assistance is part of the unequalled commitment by Holden to provide total motoring satisfaction.

From the moment delivery is made, our aim is to provide the finest possible ownership experience, from design through manufacturing to servicing and now beyond to the open road, Australia wide.

We hope the need never arises, but if it does, we'll be there to help through Holden Roadside Assistance.

How does Holden Roadside Assistance work?

Holden Roadside Assistance is provided by Holden Ltd., and delivered by the collective resources of the Australian Automobile Clubs and Associations (the constituents of Assist Australia) the AA.

Which vehicles are covered by the service?

As of 1st November 1993 all new Holden passenger and light commercial vehicles are covered for 36 months from the date of first registration.

Holden Roadside Assistance is extended to private and business vehicles, taxis, rental companies, all government and fleet operators.

What will Holden Roadside Assistance do for me?

Holden Roadside Assistance is designed to get you mobile on any road that is trafficable to normal two wheel drive vehicles. In the event of the unexpected happening, from your keys being locked in your car to mechanical and accident advice, help is readily available by simply calling the toll free number 1800 817 100.

All Holden luxury vehicles receive the added benefits of Holden Roadside **Ultra** Assist which includes accommodation, alternative transport, rental car, assistance in case of accident, theft and medical emergency and Australia wide vehicle recovery.

Can I upgrade to Roadside Ultra assist?

Yes, owners can upgrade to Holden Roadside **Ultra** Assistance for a fee by dialling 1800 645 668.

ROADSIDE ASSISTANCE cont.

When do the benefits begin?

Cover begins from the date of first registration. An interim card entitles you to immediately receive all the benefits of Holden Roadside Assistance.

Where can I get Roadside Assistance?

Holden Roadside Assistance is available to you at home, or at the roadside, anywhere in Australia, should you need it. In remote or sparsely populated areas you may experience delays in obtaining Roadside Assistance due to your location, the availability of the service provider and accessibility.

Is there a membership or joining fee?

No, Holden Roadside Assistance is complimentary with every new Holden passenger vehicle and light commercial vehicle for 36 months from the date of first registration.

What will Holden Roadside Assistance cost me?

Materials, fuel and spare parts must be paid for at the time of service. The service personnel attending will issue a receipt for these expenses. Reimbursement of expenses covered by Holden's warranty can be claimed by contacting your local Holden Dealer.

What happens if I sell my vehicle?

Holden Roadside Assistance stays with the vehicle, so if you sell your vehicle during the 36 month period, it is still eligible for the balance of the Holden Roadside Assistance. The new owner simply registers for the service by using the change of ownership form supplied in the Roadside Assistance booklet.

How do I call for assistance?

Simply call Holden Roadside Assistance toll free on 1800 817 100 from anywhere in Australia. For further information regarding the service and full terms and conditions, refer to the Roadside Assistance Kit in the glovebox or call the toll free Customer Assistance Service Line on 1800 033 349.

CUSTOMER ASSISTANCE

We want you to be happy with your new vehicle, together with the people you deal with while you have the vehicle.

Normally, any problems with the sales, operation, servicing or the validity of original equipment supplied with your vehicle will be handled by your Holden Dealer's Sales and Service Department.

We realise however that, with the best intentions, misunderstandings do occur sometimes.

Therefore, we suggest you discuss any concern with one of the Holden Dealer's management people. If you haven't received satisfaction from the Sales Manager or Service Manager – go to the General Manager or to the Dealer Principal.

By now you should have satisfaction. If not, the Holden Customer Assistance office is at your disposal.

The Holden Customer Assistance representatives can be telephoned from anywhere within Australia for only the cost of a local call. The Melbourne area number is 9646 5466. Outside the Melbourne Metropolitan area, the number is 1800 033 349.

If your concern relates to parts/accessories and you have made contact with the Dealer or Distributor without satisfaction, you may contact Holden Service Parts Operations on (03) 9797 7341.

Naturally, telephoning is the quickest and the best way to contact. However, if you prefer to write the address is:

The Manager
Holden Customer Assistance Centre
GPO Box 1714
Melbourne, 3001.

Your letter should clearly outline your concern or query, and include the following:

- Your name and address.
- Telephone numbers, both private and business.
- Servicing Dealership's name and address.
- Vehicle model.
- Vehicle identification number (I.S.O.V.I.N.), refer to the inside front cover of this Handbook.
- Date of purchase.
- Current odometer reading.

Most of this information will be found on the Vehicle Identification Certificate, located inside the front cover of this Handbook.

Before you write however, remember that the telephone is the quicker and more efficient means of communication.

AUSTRALIAN HOLDEN DEALERS

N.S.W. Metropolitan

ARNCLIFFE
Suttons Motors Arncliffe P/L
93 Princes Highway
P: (02) 9335 9000 FAX: (02) 9335 9006

ASHFIELD
Muirs Holden
252 Parramatta Road
P: (02) 9798 8888 Fax: (02) 9799 7010

BALGOWLAH
Peninsula Holden Balgowlah
164 Condamine Street
P: (02) 9949 1888 FAX (02) 9949 7237

BANKSTOWN
Peninsula Holden Bankstown
466 Chapel Road
P: (02) 9790 1234 Fax: (02) 9790 0033

BLACKTOWN
Heartland Holden
120~128 Sunnyholt Road
P: (02) 9622 7333 Fax: (02) 9671 7394

CAMDEN
Camden Holden
33 Edward Street
P: (02) 4655 5000 Fax: (02) 4655 5001

CAMPBELLTOWN
Paul Wakeling Holden
Cnr Blaxland & Campbelltown Rds
P: (02) 4628 1444 Fax: (02) 4628 3262

CASTLE HILL
Heartland Holden
Cnr Victoria Ave/Windsor Rd
P: (02) 9894 6666 Fax: (02) 9894 5600

CHULLORA
Suttons Motors (Chullora) P/L
Cnr Hume Hwy/Waterloo Rd
P: (02) 9642 0233 Fax: (02) 9642 7798

DEE WHY
Peninsula Holden Dee Why
Cnr May & Mooramba Roads
P: (02) 9982 1311 Fax: (02) 9982 3755

EAST SYDNEY
Suttons City Holden
137-157 Bourke Street
P: (02) 9357 4222 Fax: (02) 9358 5542

GORDON
Sundell Holden
836 Pacific Highway
P: (02) 9498 7766 Fax: (02) 9498 2906

HOMEBUSH
Suttons Motors Homebush P/L
112 Parramatta Road
P: (02) 9746 4500 Fax: (02) 9746 7206

LAKEMBA
United Holden Lakemba
817 Canterbury Road
P: (02) 9740 5555 Fax: (02) 9740 5907

LANSVALE
Lansvale Holden
266~284 Hume Highway
P: (02) 9728 7333 Fax: (02) 9726 1085

LIVERPOOL
McGrath Holden
411~419 Hume Highway
P: (02) 9821 5000 Fax: (02) 9821 1993

PARRAMATTA
Heartland Holden
65 Church Street
P: (02) 9204 6666 Fax: (02) 9635 6346

PENNANT HILLS
Barry Smith Holden
343~355 Pennant Hills Road
P: (02) 9483 3333 Fax: (02) 9484 7475

PENRITH
Heartland Holden
Cnr Henry St & Evan Street
P: (02) 4732 1966 Fax: (02) 4721 5896

ROCKDALE
United Holden Rockdale
571 Princes Hwy
P: (02) 9567 0321 Fax: (02) 9597 7395

ROSEBERY
Suttons City Holden
Link Road
P: (02) 9931 3000 Fax: (02) 9931 3001

RYDE
Hunter Holden
603~619 Victoria Road
P: (02) 9808 9123 Fax: (02) 9809 6592

SPRINGWOOD
Springwood Holden
15 Ferguson Road
P: (02) 4751 1911 Fax: (02) 4751 2481

ST LEONARDS
Hunter Holden
4 Herbert Street
P: (02) 9906 4044 Fax: (02) 9439 4635

ST. MARY'S
Heartland Holden
Cnr Glossop & Harris Streets
P: (02) 9673 2111 Fax: (02) 9673 4932

SUTHERLAND
McGrath Holden Sutherland
499~505 Princes Highway
P: (02) 9545 4811 Fax: (02) 9545 2533

WAITARA
Suttons Motors Waitara P/L
90 Pacific Hwy
P: (02) 9487 2222 Fax: (02) 9489 0009

AUSTRALIAN HOLDEN DEALERS CONT.

WINDSOR
Hawkesbury Valley Holden
18 Macquarie Street
P: (02) 4577 4077 Fax: (02) 4577 2592

N.S.W. Country

ARMIDALE
Graham Betts Holden
103 Rusden Street
P: (02) 6772 9444 Fax: (02) 6772 5836

BALLINA
Quayside Motors
Pacific Highway
P: (02) 6686 5111 Fax: (02) 6686 8574

BATEMANS BAY
Surfair Holden
30-32 Orient Street
P: (02) 4472 5111

BATHURST
Bathurst Holden
Mitchell Highway
P: (02) 6331 2077 Fax: (02) 6331 9177

BEGA
Bega Valley Holden
Cnr Upper and Gibbs Sts
P: (02) 6492 2333 Fax: (02) 6492 3105

BLAYNEY
Blayney Holden
98 Adelaide Street
P: (02) 6368 2745 Fax: (02) 6368 3257

BOMBALA
Delcott Engineering Pty Ltd
Maybe Street
P: (02) 6458 3341 Fax: (02) 6458 3940

BOOROWA
Boowowa Auto Repairs
40 Marsden Street
P: (02) 6385 3305

BREWARRINA
Lukas Holden
Bathurst Street
P: (02) 6839 2105 Fax: (02) 6839 2454

BROKEN HILL
Donlee Motors Pty Ltd
Cnr Galena & Rakow Streets
P: (08) 8087 2463 Fax: (08) 8087 7971

CANOWINDRA
Canowindra Motors
Gaskill Street
P: (02) 6344 1105 Fax: (02) 6344 1105

CARDIFF
Brian Kelly Holden
35~39 MacQuarie Road
P: (02) 4954 7733 Fax: (02) 4954 9407

CASINO
Casino Holden
142 Barker Street
P: (02) 6662 2822 Fax: (02) 6662 2101

CESSNOCK
Geoff Boyd Holden
Cnr Wollombi Road and Darwin Street
P: (02) 4990 3800 Fax: (02) 4990 0575

COBAR
Cobar Holden
Cnr Lewis St & Louth Road
P: (02) 6836 4005 Fax: (02) 6836 3409

COFF'S HARBOUR
Geoff King Holden
Cnr Pacific Hwy and Thompson Road
P: (02) 6652 2288 Fax: (02) 6652 5360

COOMA
High Country Holden
66~70 Sharp Street
P: (02) 6452 1077 Fax: (02) 6452 1142

COONABARABRAN
Coonabarabran Holden
24 Charles Street
P: (02) 6842 1499 Fax: (02) 6842 2473

COONAMBLE
Moody's Motors
37 Aberford Street
P: (02) 6822 1161 Fax: (02) 6822 1624

COOTAMUNDRA
Jenkins Garage
111 Wallendoon Street
P: (02) 6942 2522 Fax: (02) 6942 1493

COWRA
Waugoola Motors Pty Ltd
Kendal Street
P: (02) 6342 1800 Fax: (02) 6342 3614

CROOKWELL
Crookwell Autos
114 Goulburn Street
P: (02) 4832 1433 Fax: (02) 4832 2157

DENILIQUIN
Burchfield Bros & Co
112~114 End Street
P: (03) 5881 2133 Fax: (03) 5881 3322

DORRIGO
Phil Noble Motors
46~48 Hickory Street
P: (02) 6657 2017 Fax: (02) 6657 2217

DUBBO
Golden West Holden
54 Bourke Street
P: (02) 6882 1011 Fax: (02) 6882 7102

DUNGOG
Turner Holden
248 Dowling Street
P: (02) 4992 1816 Fax: (02) 4992 1833

AUSTRALIAN HOLDEN DEALERS cont.

EDEN
Ron Doyle
113 Princes Highway
P: (02) 6496 1420 Fax: (02) 6496 1467

FINLEY
Riverina Holden
104 Murray Street
P: (03) 5883 1211 Fax: (03) 5883 1638

FORBES
Frank Spice Holden
20~22 Dowling Street
P: (02) 6851 1755 Fax: (02) 6852 2825

GATESHEAD
Brian Kelly Holden
39 Pacific Highway
P: (02) 4920 7000 Fax: (02) 4920 8008

GILGANDRA
Gilgandra Holden
3 Morris Street
P: (02) 6847 1888 Fax: (02) 6847 1277

GLEN INNES
Glen Severn Holden
167 Grey Street
P: (02) 6732 2888 Fax: (02) 6732 3394

GOSFORD
Noble Holden
Pacific Highway
P: (02) 4325 0511 Fax: (02) 4324 1043

GOULBURN
Geissler Motors
279~298 Auburn Street
P: (02) 4821 3744 Fax: (02) 4821 9798

GRAFTON
Ken Casson Holden
37~39 Turf Street
P: (02) 6642 6666 Fax: (02) 6642 6737

GRENFELL
Peter Mellon Motors
40 Alexandra Street
P: (02) 6343 1522 Fax: (02) 6343 1347

GRIFFITH
Leo Franco Holden
164~166 Yambil Street
P: (02) 6964 2977 Fax: (02) 6962 4916

GUNNEDAH
Namoi Valley Motors
48 Barber Street
P: (02) 6742 0211 Fax: (02) 6742 3842

HARDEN
Ginty & O'Leary
Cnr Station & Albury Streets
P: (02) 6386 2320 Fax: (02) 6386 2722

HAY
Royce Curtis Motors
168 Lachlan Street
P: (02) 6993 1503 Fax: (02) 6993 2212

HOLBROOK
Lieschke Motors Pty Ltd
78 Albury Street
P: (02) 6036 2244 Fax: (02) 6036 2831

INVERELL
Gaukroger Sales Pty Ltd
Vivian Street
P: (02) 6722 2722 Fax: (02) 6722 1804

JERILDERIE
Jerilderie Motors
Jerilderie Street
P: (03) 5886 1302 Fax: (03) 5886 1734

KANDOS
Chrisfield Holden
11 Angus Street
P: (02) 6379 4204 Fax: (02) 6379 4606

KATOOMBA
Katoomba Holden
136 Great Western Highway
P: (02) 4732 1966 Fax: (02) 4782 5546

KEMPSEY
Thoroughgood Holden
118~132 Belgrave Street
P: (02) 6562 1381 Fax: (02) 6562 1383

KIAMA
Glen Fulton Holden
35~41 Collins Street
P: (02) 4232 1888 Fax: (02) 4232 3062

KYOGLE
O & H Holden
128~134 Summerland Way
P: (02) 6632 1711 Fax: (02) 6632 2552

LEETON
John Ryan Holden
47~51 Pine Avenue
P: (02) 6953 2466 Fax: (02) 6953 6725

LISMORE
John Chant Motors Pty Ltd
Carrington Street
P: (02) 6621 2601 Fax: (02) 6622 4659

LITHGOW
Lithgow City Holden
255 Main Street
P: (02) 6351 4555 Fax: (02) 6351 4653

MACKSVILLE
Eastland Auto Centre
18~22 Cooper Street
P: (02) 6568 1711 Fax: (02) 6568 1816

MACLEAN
O'Halloran Motors
175 River Street
P: (02) 6645 2844 Fax: (02) 6645 4003

MAITLAND
Heritage Holden
Cnr New England Hwy & Bungaree St
P: (02) 4932 0779 Fax: (02) 4932 0473

AUSTRALIAN HOLDEN DEALERS cont.

MOREE
Keith Haddad Holden
Cnr Boston & Heber Streets
P: (02) 6752 1855 Fax: (02) 6752 1298

MORUYA
Surfair Holden
88 Vulcan Street
P: (02) 4474 2555 Fax: (02) 4474 2129

MOSS VALE
Moss Vale Holden
160~162 Argyle Street
P: (02) 4868 1055 Fax: (02) 4868 3330

MULLUMBIMBY
Tony Carsburg Holden
2 Argyle Street
P: (02) 6684 2066 Fax: (02) 6684 4593

MUDGEE
Ross Granata Motors
32 Sydney Road
P: (02) 6372 1766 Fax: (02) 6372 3735

MURWILLUMBAH
Tweed Motors
29 Prospero Street
P: (02) 6672 4444 Fax: (02) 6672 5811

MUSWELLBROOK
Upper Hunter Motors Pty Ltd
116 Bridge Street
P: (02) 6543 2577 Fax: (02) 6543 2565

NARRABRI
Allan Cooper Holden
181 Maitland Street
P: (02) 6792 3488 Fax: (02) 6792 4750

NEWCASTLE
Newcastle City Holden
King Street (Cnr Stewart Ave)
P: (02) 4961 5301 Fax: (02) 4961 6485

NOWRA
Glendon Motors Holden
301~313 Princes Highway
P: (02) 4421 0144 Fax: (02) 4423 0854

NYNGAN
New Bridge Service Centre
36 Nurnagee Street
P: (02) 6832 1761 Fax: (02) 6832 2760

ORANGE
Canobolas Holden
Cnr Summer St & Endsleigh Ave
P: (02) 6362 0155 Fax: (02) 6361 3702

PARKES
Broderick Motors Holden
Cnr Mitchell & Clarinda Sts
P: (02) 6862 2266 Fax: (02) 6862 1406

PEAK HILL
S. Leary & Sons Pty Ltd
Mingelo Street
P: (02) 6869 1459 Fax: (02) 6869 1999

PORT MACQUARIE
Bob Todd Motors Pty Ltd
115 Gordon Street
P: (02) 6583 1100 Fax: (02) 6584 9508

QUIRINDI
Browning Motors
82 Henry Street
P: (02) 6746 1666 Fax: (02) 6746 1422

SCONE
Upper Hunter Motors (Scone)
100 Liverpool Street
P: (02) 6545 1355

SINGLETON
Lancaster Holden
80 John Street
P: (02) 6578 8700 Fax: (02) 6578 8733

TAMWORTH
Kensell's Holden
Cnr Bourke St & Kable Ave
P: (02) 6766 6699 Fax: (02) 6766 7339

TAREE
Cullen Holden
21~25 Victoria Street
P: (02) 6552 2222 Fax: (02) 6552 1269

TEMORA
Rod Lovering Holden
607-608 Stockinbingal Road
P: (02) 6977 2255 Fax: (02) 6977 2033

TENTERFIELD
Sexton & Green (Sales & Service) P/L
148 Rouse Street
P: (02) 6736 1855 Fax: (02) 6736 1946

TUMUT
Harry Kell & Sons Pty. Ltd
Cnr. Merrivale & Russell Streets
P: (02) 6947 2293 Fax: (02) 6947 3763

TUNCURRY
Great Lakes Holden
144 Manning Street
P: (02) 6555 6644 Fax: (02) 6555 7433

TWEED HEADS
Tweed Motors
75~79 Pacific Highway
P: (07) 5536 3411 Fax: (07) 5536 4490

ULLADULLA
Alan May Holden
169 Princes Highway
P: (02) 4455 1166 Fax: (02) 4455 4122

WAGGA WAGGA
Wagga Motors Pty Ltd
32 Dobney Avenue
P: (02) 6925 3411 Fax: (02) 6925 3283

WALCHA
Bowdens Holden Walcha
18 Derby Street
P: (02) 6777 2226 Fax: (02) 6777 2319

WALGETT
Walgett Garage Pty Ltd
81 Wee Waa Street
P: (02) 6828 1088 Fax: (02) 6828 1198

WALLA WALLA
D.E. Lieschke & Son Pty Ltd
63 Commercial Road
P: (02) 6029 2202 Fax: (02) 6029 2134

WARIALDA
Roger Moore
Hope Street
P: (02) 6729 1570 Fax: (02) 6729 1104

WARILLA
Wilson's Holden
29 Shellharbour Road
P: (02) 4295 1223 Fax: (02) 4296 1007

WARREN
Fuller Bros
Dubbo Street
P: (02) 6847 4978 Fax: (02) 6847 4477

WELLINGTON
Gersbach's Garage Pty Ltd
92 Lee Street
P: (02) 6845 2733 Fax: (02) 6845 3236

WEST WYALONG
West Wyalong Motors
183 Main Street
P: (02) 6972 2388 Fax: (02) 6972 2570

WOLLONGONG
Dwyers City Holden
31~33 Crown Street
P: (02) 4229 9222 Fax: (02) 4229 5105

WYONG
Barry Robertson Holden
172 Pacific Highway
P: (02) 4351 2588 Fax: (02) 4352 1759

YOUNG
Harden & Geelan Holden
30 Boorowa Street
P: (02) 6382 1155 Fax: (02) 6382 4673

A.C.T.

BELCONNEN
Gerald Slaven Holden
2 Josephson Street
P: (02) 6251 5111 Fax: (02) 6253 1298

BRADDON
Rolfe Holden
44 Mort Street
P: (02) 6248 7888 Fax: (02) 6257 1328

PHILLIP
Commonwealth Motors Pty Ltd
158 Melrose Drive
P: (02) 6282 3522 Fax: (02) 6282 5214

Tas.

BURNIE
Motors Burnie
Marine Terrace
P: (03) 6431 1122 Fax: (03) 6431 3146

DEVONPORT
Motors Devonport
Victoria Parade
P: (03) 6424 4033 Fax: (03) 6424 5249

HOBART
Motors Pty Ltd
179 MacQuarie Street
P: (03) 6220 1171 Fax: (03) 6223 8117

KING ISLAND
King Island Motors Pty Ltd
Netherby Road, Currie
P: (03) 6462 1155 Fax: (03) 6462 1488

LAUNCESTON
Motors Launceston
93~95 Elizabeth Street
P: (03) 6332 9101 Fax: (03) 6334 5245

Vic. Metropolitan

BERWICK
Barry Bourke Holden
755 Princes Highway
P: (03) 9707 2222 Fax: (03) 9707 3091

BUNDOORA
Watson Holden
413 Grimshaw Street
P: (03) 9467 4677 Fax: (03) 9467 7661

BURWOOD
Penfold Holden
142 Burwood Highway
P: (03) 9268 1333 Fax: (03) 9268 1335

CHELSEA
Harrison Holden
370 Nepean Highway
P: (03) 9772 2233 Fax: (03) 9772 2190

CHELTENHAM
Booran Holden
1212 Nepean Highway
P: (03) 9584 3333 Fax: (03) 9584 4285

DANDENONG
Booran Holden
17 Lonsdale Street
P: (03) 9794 5455 Fax: (03) 9792 4871

DONCASTER
Doncaster Holden
636~640 Doncaster Road
P: (03) 9840 0188 Fax: (03) 9840 2587

ELSTERNWICK
Reg Hunt Holden
63 Nepean Highway
P: (03) 9528 2222 Fax: (03) 8545 7644

AUSTRALIAN HOLDEN DEALERS cont.

ESSENDON
Preston Motors (Essendon) P/L
205~211 Keilor Road
P: (03) 9374 2888 Fax: (03) 9379 6754

FAWKNER
Mantello Holden
1263 Sydney Road
P: (03) 9359 1333 Fax: (03) 9359 9334

FERNTREE GULLY
Ferntree Gully Holden
980 Burwood Highway
P: (03) 9758 2222 Fax: (03) 9758 3435

FOOTSCRAY
Alan Mance Holden
435 Barkly Street
P: (03) 9396 8000 Fax: (03) 9396 8001

FRANKSTON
Bay City Holden
140 Dandenong Road
P: (03) 9784 4444 Fax: (03) 9784 4419

GEELONG
R & B Smith Holden
510 Moorabool Street
P: (03) 5222 2888 Fax: (03) 5221 3114

GEELONG
Winter & Taylor (Sales) P/L
23 Cavendish Street
P: (03) 5222 1811 Fax: (03) 5221 1873

GLENHUNTLY
Booran Holden
1234 Glenhuntly Road
P: (03) 9571 9313 Fax: (03) 9571 8374

GLEN WAVERLEY
Geoff Brady Holden
565~577 Springvale Road
P: (03) 9550 5888 Fax: (03) 9550 5855

HASTINGS
John Collins Holden
2041 Frankston-Flinders Road
P: (03) 5979 4433 Fax: (03) 5975 4720

LILYDALE
Heritage Holden
344 Main Street
P: (03) 9735 5566 Fax: (03) 9735 1040

MELTON
Alan Mance Holden
1 Holland Drive
(03) 9746 9666 Fax: (03) 9746 9555

MORNINGTON
John Collins Holden
976 Nepean Highway
P: (03) 5975 4433 Fax: (03) 5975 4720

OAKLEIGH
Garry & Warren Smith
1575 Dandenong Road
P: (03) 9568 6333 Fax: (03) 9568 5691

PRESTON
Ralph D'Silva Holden
573~603 High Street
P: (03) 9471 0500 Fax: (03) 9478 4210

RINGWOOD
Patterson Cheney Holden
45~57 Maroondah Highway
P: (03) 9262 6666 Fax: (03) 9870 1113

SOUTH MELBOURNE
South City Holden
380 City Road
P: (03) 9627 3333 Fax: (03) 9682 6888

SOUTH YARRA
Penfold Holden
681 Chapel Street
P: (03) 9827 2272 Fax: (03) 9826 5328

SUNBURY
Sunbury Holden
93~95 Horne Street
P: (03) 9740 3000 Fax: (03) 9740 4777

SUNSHINE
Kevin Dennis Holden
272 Ballarat Road
P: (03) 9292 9292 Fax: (03) 9292 9200

WERRIBEE
Ballan Holden
56 Princes Highway
P: (03) 9741 2222 Fax: (03) 9742 3797

WEST MELBOURNE
Reg Hunt Holden
577 King Street
P: (03) 9329 6611 Fax: (03) 9329 1550

Vic. Country

ALEXANDRA
Alexandra Total Automotive Services
120 Grant Street
P: (03) 5772 1588 Fax: (03) 5772 1978

ARARAT
David Reid Motors
High Street
P: (03) 5352 4100 Fax: (03) 5352 4388

BAIRNSDALE
The Big Garage
628 Princes Highway
P: (03) 5152 4131 Fax: (03) 5152 5313

AUSTRALIAN HOLDEN DEALERS cont.

BALLARAT
Peter Amor Motors
211 Gillies Street
P: (03) 5339 9333 Fax: (03) 5339 9202

BENALLA
Arnott's Motors
88~90 Bridge Street
P: (03) 5762 2500 Fax: (03) 5762 1586

BENDIGO
Ron Poyser Holden
Cnr High & Myrtle Streets
P: (03) 5442 3999 Fax: (03) 5442 7766

CAMPERDOWN
Camperdown Auto Parts
96 Manifold Street
P: (03) 5593 1983 Fax: (03) 5593 1979

CASTERTON
Coxons Holden
139 Henty Street
P: (03) 5581 1166 Fax: (03) 5581 2116

CHARLTON
K.V. Charlton
70 High Street
P: (03) 5491 1444 Fax: (03) 5491 1984

COBRAM
Neville Mustica Motors
Murray Valley Hwy
P: (03) 5872 1666 Fax: (03) 5872 1920

COHUNA
Hare Motors Holden
105~107 King George Street
P: (03) 5456 4488 Fax: (03) 5456 4448

COLAC
Parker Bros. Motor Co
224 Murray Street
P: (03) 5231 5533 Fax: (03) 5231 3853

DAYLESFORD
K.R. Little
Vincent Street
P: (03) 5348 2248

DONALD
O.A. Shilton & Sons Pty Ltd
5 Woods Street
P: (03) 5497 1400 Fax: (03) 5497 1505

ECHUCA
Echuca Motors
1 Nothern Highway
P: (03) 5482 1522 Fax: (03) 5480 6215

EUROA
Parker Bros Auto Co. Euroa
37~41 Clifton Street
P:(03) 5795 2702 Fax: (03) 5795 1288

FOSTER
Ray Dower Motors
78 Main Street
P: (03) 5682 2404

HAMILTON
Bloods of Hamilton
210 Gray Street
P: (03) 5572 1433 Fax: (03) 5571 1182

HOPETOUN
Hopetoun Motors
78 Lascelles Street
P: (03) 5083 3143 Fax: (03) 5083 3290

HORSHAM
Ivan Morrow Motors Pty Ltd
22 O'Callaghans Parade
P: (03) 5382 0185 Fax: (03) 5382 0459

KANIVA
Kaniva Motors
82 Commercial Street
P: (03) 5392 2300 Fax: (03) 5392 2589

KOO WEE RUP
G & J Light Mechanical Repairs P/L
Station Road
P: (03) 5997 1325

KORUMBURRA
Peter Dunlevie Holden
42 Commercial Street
P: (03) 5655 1288 Fax: (03) 5655 1839

KYABRAM
D'Alberto Holden
60 McEwen Road
P: (03) 5852 1366 Fax: (03) 5852 1337

KYNETON
Mollison Motors Pty Ltd
167 Mollison Street
P: (03) 5422 3377 Fax: (03) 5422 3501

LEONGATHA
Gleeson Holden
37~43 Bair Street
P: (03) 5662 2361 Fax: (03) 5655 1839

MANSFIELD
Martin's Garage
52~54 Chenery Street
P: (03) 5775 2610 Fax: (03) 5775 1179

MARYBOROUGH
Graham Jacka Holden
35 Nolan Street
P: (03) 5461 1011 Fax: (03) 5461 4789

MILDURA
Stuart & Harrison (Sales) Pty Ltd
24~32 Deakin Avenue
P: (03) 5023 0051 Fax: (03) 5021 3076

MORTLAKE
W. Christian (Mortlake) Pty. Ltd.
107 Dunlop Street
P: (03) 5599 2301 Fax: (03) 5599 2567

MURRAYVILLE
Peers Motors
McKenzie Street
P: (03) 5095 2081 Fax: (03) 5095 2054

AUSTRALIAN HOLDEN DEALERS cont.

NATHALIA
BHB Motors
6 Blake Street
P: (03) 5866 2660

NHILL
Ivan Morrow Motors Pty Ltd
71~73 Nelson Street
P: (03) 5391 1333 Fax: (03) 5391 1228

NULLAWIL
Nullawil Motors & General Engineers
Calder Highway
P: (03) 5493 5210 Fax: (03) 5493 5377

ORBOST
Merlin Motors
Stanley Street
P: (03) 5154 1909

PORTLAND
Reynolds of Portland
Henty Highway
P: (03) 5523 1688 Fax: (03) 5523 6299

QUAMBATOOK
Quambatook Auto Services
32 Gutherie Street
P: (03) 5457 1237 Fax: (03) 5457 1420

ROCHESTER
Bruce Hocking Motors Pty Ltd
85 Lowry Street
P: (03) 5484 1455 Fax: (03) 5484 1140

RUTHERGLEN
Jasper Bros Pty Ltd
62 Main Street
P: (02) 6032 8404 Fax: (02) 6032 8156

SALE
Sam Gould Holden
273 York Street
P: (03) 5144 3944 Fax: (03) 5144 6289

SEALAKE
Paddy Smith Holden
Calder Highway
P: (03) 5070 1147

SEYMOUR
Neil Beer Holden
49 Emily Street
P: (03) 5792 2777 Fax: (03) 5792 4111

SHEPPARTON
Parker Bros. Auto Co.
Benalla Road
P: (03) 5822 2666 Fax: (03) 5831 2507

STAWELL
Howden Holden
72~74 Longfield Street
P. (03) 5358 1888 Fax. (03) 5358 3954

SWAN HILL
Swan Hill Holden
94~102 Campbell Street
P: (03) 5033 1800 Fax: (03) 5032 2468

TALLANGATTA
Crispin Motors
21 Towong Street
P: (02) 6071 2414 Fax: (02) 6071 2655

TERANG
W. Christian (Terang) Pty Ltd
6a Baynes Street
P: (03) 5592 1588 Fax: (03) 5592 1481

TIMBOON
Timboon Motors
56 Bailey Street
P: (03) 5598 3007 Fax: (03) 5598 3362

TRARALGON
Colin Watson Holden
Princes Highway
P: (03) 5174 8000 Fax: (03) 5175 0050

UNDERBOOL
A.J. Gloster & Sons
Cotter Street
P: (03) 5094 6291 Fax: (03) 5094 6297

WANGARATTA
Alan Capp (New Cars) Pty Ltd
29 Tone Road
P: (03) 5721 2133 Fax: (03) 5721 4626

WARRACKNABEAL
Amor Motors Aubrey Truck Sales
33 Woolcock Street
P: (03) 5394 1055 Fax: (03) 5398 1904

WARRAGUL
Vin Rowe Holden
3 Endeavour Street
P: (03) 5623 1362 Fax: (03) 5623 4314

WARRNAMBOOL
Callaghan Motors Pty Ltd
133~137 Fairy Street
P: (03) 5562 3711 Fax: (03) 5562 7415

WODONGA
McRae White Motors
182 Melbourne Road
P: (02) 6056 2333 Fax: (02) 6024 7899

WONTHAGGI
Wonthaggi Holden
2 Murray Street
P: (03) 5672 1122 Fax: (03) 5672 4141

YARRAM
John Palmer Holden
150 Commercial Road
P: (03) 5182 5122 Fax: (03) 5182 6166

YARRAWONGA
Pigdons Pty Ltd
155 Belmore Street
P: (03) 5743 1577 Fax: (03) 5744 1788

AUSTRALIAN HOLDEN DEALERS cont.

Qld. Metropolitan

ASPLEY
Zupps Aspley Pty Ltd
1454 Gympie Road
P: (07) 3246 8000 Fax: (07) 3246 8092

BROWNS PLAINS
Zupps Hillcrest
Cnr Mt Lindsay Highway & Corporate Place
P: (07) 3802 4000 Fax: (07) 3802 4099

CAPALABA
Oldfield Holden
103 Redland Bay Road
P: (07) 3245 2200 Fax: (07) 3245 2221

EMERALD
Emerald Holden
Hospital Road
P: (07) 4983 9888 Fax: (07) 4983 9889

INDOOROOPILLY
Westpoint Holden
440 Moggill Road
P: (07) 3878 0440 Fax: (07) 3878 1340

IPSWICH
Ross Llewellyn Holden
246 Brisbane Road
P: (07) 3282 2922 Fax: (07) 3282 6359

LAIDLEY
Buhse's Garage
5 Spicer Street
P: (07) 5465 1406 Fax: (07) 5465 1706

MOOROOKA
John Sivyer Holden
1060 Ipswich Road
P: (07) 3892 3344 Fax: (07) 3848 8866

MT. GRAVATT
Zupps Motors Pty Ltd
1310 Logan Road
P: (07) 3877 0000 Fax: (07) 3877 0063

NEWSTEAD
Eagers Retail Pty Ltd
95 Breakfast Creek Road
P: (07) 3364 1199 Fax: (07) 3364 1060

PETRIE
Village Motors
1059 Gympie Road
P: (07) 3285 2244 Fax: (07) 3285 1975

REDCLIFFE
Village Holden
425 Elizabeth Avenue
P: (07) 3284 7344 Fax: (07) 3883 2711

SPRINGWOOD
Motorama Holden
3455 Pacific Highway
P: (07) 3804 4888 Fax: (07) 3208 7018

WINDSOR
Eagers Holden
143 Newmarket Road
P: (07) 3357 6711 Fax: (07) 3357 5403

WOOLLOONGABBA
Armstrong Holden
73 Ipswich Road
P: (07) 3891 5522 Fax: (07) 3891 5146

WYNNUM
Doug Barton Holden
200 Tingal Road
P: (07) 3396 7777 Fax: (07) 3393 3593

Qld. Country

ATHERTON
Redding Motors Pty Ltd
2 Cook Street
P: (07) 4091 1344 Fax: (07) 4091 2039

AYR
Honeycombes Sales & Service
213~217 Queen Street
P: (07) 4783 2344 Fax: (07) 4783 2079

BEAUDESERT
Zupps Beaudesert
57 Brisbane Street
P: (07) 5541 2000 Fax: (07) 5541 3368

BILOELA
Andersons Auto City
Dawson Highway
P: (07) 4992 2833 Fax: (07) 4992 3066

BOWEN
McDermott Holden
98 Herbert Street
P: (07) 4786 1430 Fax: (07) 4786 2903

BUNDABERG
Ross Gray Holden
Takalvan Street
P: (07) 4150 1333 Fax: (07) 4150 1318

CABOOLTURE
Beecham Holden
Bribie Island Road
P: (07) 5495 1477 Fax: (07) 5495 2839

CAIRNS
Ireland Holden
227~233 Mulgrave Road
P: (07) 4052 3666 Fax: (07) 4052 3606

CALOUNDRA
Caloundra City Holden
45 Caloundra Road
P: (07) 5491 5522 Fax: (07) 5491 8016

CHARLEVILLE
Alan Dobbin Holden
129 Alfred Street
P: (07) 4654 1737 Fax: (07) 4654 3254

AUSTRALIAN HOLDEN DEALERS cont.

CHARTERS TOWERS
Peters Holden
57 Mosman Street
P: (07) 4787 1177 Fax: (07) 4787 4858

CHINCHILLA
Ainsworth Motors & Machinery Pty Ltd
55 Chinchilla Street
P: (07) 4662 7286 Fax: (07) 4662 7197

CROWS NEST
Dennis Nissen Motors
14 William Street
P: (07) 4698 1300 Fax: (07) 4698 1495

DALBY
Johnson's Holden
36 Drayton Street
P: (07) 4662 2422 Fax: (07) 4662 4311

GATTON
Gatton Auto Centre
67 Railway Street
P: (07) 5462 1633 Fax: (07) 5462 1980

GLADSTONE
Andersons Auto City
56 Yarroon Street
P: (07) 4972 1177 Fax: (07) 4972 9141

GOONDIWINDI
Carpro
Cnr Lagoon & West Streets
P: (07) 4671 2170 Fax: (07) 4671 2013

GYMPIE
Madills Holden
35 Mellor Street
P: (07) 5480 5500 Fax: (07) 5482 2672

HERVEY BAY
Whitaker Holden
96 Torquay Road
P: (07) 4128 1722

INGHAM
Devietti Holden
99 Lannercost Street
P: (07) 4776 1599 Fax: (07) 4776 3547

INNISFAIL
I.C. Taylor Pty Ltd
117 Edith Street
P: (07) 4061 1577 Fax: (07) 4061 3963

JULIA CREEK
Julia Creek Motors Pty Ltd
Burke Street
P: (07) 4746 7155 Fax: (07) 4746 7197

KILCOY
Hobart's Garage
58 Mary Street
P: (07) 5497 1204 Fax: (07) 5497 1204

KINGAROY
John Dundas Pty Ltd
79 Kingaroy Street
P: (07) 4162 1722 Fax: (07) 4162 3756

LONGREACH
Longreach Motors
33 Swan Street
P: (07) 4658 1700 Fax: (07) 4658 1857

MACKAY
Pioneer Holden
Cnr Gordon & Wellington Streets
P: (07) 4969 4299 Fax: (07) 4969 4288

MAROOCHYDORE
Sunco Holden
Wises Road
P: (07) 5443 7644 Fax: (07) 5443 7645

MARYBOROUGH
Whitaker Holden
109~111 March Street
P: (07) 4122 2255 Fax: (07) 4122 6222

MOUNT ISA
Bruce Marles Auto City
Marian Street
P: (07) 4743 3044 Fax: (07) 4743 8466

MURGON
Clifton Motors
Macalister Street
P: (07) 4168 1066 Fax: (07) 4168 1947

NAMBOUR
Sunco
Bruce Highway
P: (07) 5451 2000 Fax: (07) 5451 2099

NANANGO
Nanango Motors Pty Ltd
102 Drayton Street
P: (07) 4163 1108 Fax: (07) 4163 1108

NOOSAVILLE
Madill's
Lot 1 Lionel Donovan Drive
P: (07) 5470 0700 Fax: (07) 5474 0073

PROSERPINE
Crossley Car Sales Whitsunday Pty Ltd
162~164 Main Street
P: (07) 4945 1822 Fax: (07) 4945 2022

ROBINA
Robina Holden
16 Brabham Circuit
P: (07) 5575 0500 Fax: (07) 5562 1072

ROCKHAMPTON
Lawrence's
327 Richardson Road
P: (07) 4930 5111 Fax: (07) 4930 5112

ROMA
Maranoa Multi Agencies
Bowen Street
P: (07) 4622 2900 Fax: (07) 4622 1832

AUSTRALIAN HOLDEN DEALERS cont.

SOUTHPORT
Lockhart Holden
Cnr Nerang Road & Olsen Avenue
P: (07) 5597 2900 Fax: (07) 5597 2542

SPRINGSURE
Springsure Motors
Eclipse Street
P: (07) 4984 1177 Fax: (07) 4984 1361

ST. GEORGE
Halpin Motors
39~41 Grey Street
P: (07) 4625 5466 Fax: (07) 4625 5855

STANTHORPE
Central Motors
42 Maryland Street
P: (07) 4681 2200 Fax: (07) 4681 1479

TOOWOOMBA
Toowoomba Holden
Cnr James & Hume Streets
P: (07) 4690 0900 Fax: (07) 4690 0909

TOWNSVILLE
Tony Ireland Holden
87~91 Charters Towers Road
P: (07) 4726 7777 Fax: (07) 4721 1486

TULLY
Island Coast Holden
Bruce Highway
P: (07) 4068 1288 Fax: (07) 4068 2145

WARWICK
Deighton Motors Pty Ltd
Grafton Street
P: (07) 4661 2266 Fax: (07) 4661 1275

N.T.

ALICE SPRINGS
Kittles Holden
46 Stuart Highway
P: (08) 8952 5500 Fax: (08) 8953 0847

DARWIN
Kerry Holden
21~25 Stuart Highway
P: (08) 8980 8080 Fax: (08) 8980 8081

KATHERINE
Kittles Holden
441 Victoria Highway
P: (08) 8972 1788 Fax: (08) 8971 0209

TENNANT CREEK
Kittles Holden
Paterson Street
P: (08) 8962 2251 Fax: (08) 8962 2527

S.A. Metropolitan

ADELAIDE
City Holden
223 Grenfell Street
P: (08) 8223 7666 Fax: (08) 8359 2588

ELIZABETH
Peter Page Holden
17 Elizabeth Way
P: (08) 8255 1288 Fax: (08) 8255 9260

HILLCREST
City Holden
327~329 Main North East Road
P: (08) 8261 5855 Fax: (08) 8369 0066

MALVERN
Claridge Holden
361~367 Unley Road
P: (08) 8272 1600 Fax: (08) 8373 0057

PORT ADELAIDE
Smiths of Port Adelaide
271 Commercial Road
P: (08) 8341 2255 Fax: (08) 8341 2233

PROSPECT
Metro Holden
84~88 Main North Road
P:(08) 8343 5000 Fax: (08) 8344 9670

REYNELLA
Southgate Holden
49~59 Main South Road
P: (08) 8381 9555 Fax: (08) 8381 6274

ROSE PARK
City Holden
14 Kensington Road
P: (08) 8334 4666 Fax: (08) 8334 4610

SOMERTON PARK
Hamilton Holden
278~288 Brighton Road
P: (08) 8296 4866 Fax: (08) 8358 3957

THEBARTON
Metro Holden
1 Port Road
P: (08) 8354 9555 Fax: (08) 8443 6855

VALLEY VIEW
Plaza Holden
817~839 North East Road
P: (08) 8263 4922 Fax: (08) 8265 5200

S.A. Country

BALAKLAVA
Balaklava Motors
4 Wallace Street
P: (08) 8862 1030 Fax: (08) 8862 2000

BERRI
Rosenthal Bros Pty Ltd
Vaughan Terrace
P: (08) 8582 3644 Fax: (08) 8582 3515

AUSTRALIAN HOLDEN DEALERS cont.

BORDERTOWN
Farmers Centre
South Terrace
P: (08) 8752 0266 Fax: (08) 8752 0233

CEDUNA
Beck Motors Pty Ltd
Poynton Street
P: (08) 8625 2616 Fax: (08) 8625 3201

CLARE
Mid North Motor Company
7 Old North Road
P: (08) 8842 2200 Fax: (08) 8842 2886

CLEVE
Herbert Motors Pty Ltd
Rudall Road
P: (08) 8628 2150 Fax: (08) 8628 2537

CUMMINS
Trigg & Wedd
3 Umlauf Street
P: (08) 8676 2105 Fax: (08) 8676 2303

CRYSTAL BROOK
Crouch Rural Pty. Ltd
26 Brandis Street
P: (08) 8636 2257 Fax: (08) 8636 2088

GAWLER
Steinborner Holden
Cnr Murray & Bridge Sts
P: (08) 8522 4222 Fax: (08) 8522 4898

KADINA
J.H. Rosewarne Pty Ltd
Graves Street
P: (08) 8821 1111 Fax: (08) 8821 1686

KEITH
Farmers Centre
McBain Street
P: (08) 8755 3222 Fax: (08) 8755 3211

KIMBA
R.J. Flavel Mechanical Repairs
30 High Street
P: (08) 8627 2555 Fax: (08) 8627 2044

KINGSTON
Lecornu's Service Garage
Agnes Street
P: (08) 8767 2424 Fax: (08) 8767 2533

LOXTON
Flight Motors Pty Ltd
Bookpurnong Terrace
P: (08) 8584 7277 Fax: (08) 8584 5937

MINLATON
Southway
9 Fifth Street
P: (08) 8853 2322 Fax: (08) 8853 2451

MAITLAND
Maitland Motors Pty Ltd
58 Robert Street
P: (08) 8832 2601 Fax: (08) 8832 2673

MENINGIE
Peter Hood Holden
Cnr Princes Highway & Coonalpyn Road
P: (08) 8575 1109 Fax: (08) 8575 1537

MT. BARKER
Gilbert Motors
57 Adelaide Road
P: (08) 8391 1500 Fax: (08) 8398 2124

MT. GAMBIER
O.G. Roberts & Co
Jubilee Highway West
P: (08) 8724 1111 Fax: (08) 8724 1100

MURRAY BRIDGE
Dutton Motors Pty Ltd
7 Adelaide Road
P: (08) 8532 1999 Fax: (08) 8531 0599

NARACOORTE
Kingcraig Motors Pty Ltd
158~164 Smith Street
P: (08) 8762 1555 Fax: (08) 8762 1806

PORT AUGUSTA
Augusta Motor Company Pty Ltd
38 Stirling Road
P: (08) 8641 0488 Fax: (08) 8642 4300

PORT LINCOLN
City Motors
King Street
P: (08) 8682 1100 Fax: (08) 8682 4734

PORT PIRIE
Spencer Holden
50 Ellen Street
P: (08) 8632 3888 Fax: (08) 8632 6405

RENMARK
Rosenthal Motors Pty Ltd
Ral Ral Avenue
P: (08) 8586 6626 Fax: (08) 8586 4040

ROXBY DOWNS
Hayes Augusta Motors
10 Gosse Street
P: (08) 8671 0100 Fax: (08) 8671 0950

STRATHALBYN
Gilbert Holden - Strathalbyn
High Street
P: (08) 8536 2066 Fax: (08) 8536 2672

TANUNDA
Hage & Co Pty Ltd
50 Murray Street
P: (08) 8563 2123 Fax: (08) 8563 3488

VICTOR HARBOR
Southern Motors Holden
5 Victoria Street
P: (08) 8552 1255 Fax: (08) 8552 2788

AUSTRALIAN HOLDEN DEALERS cont.

WAIKERIE
Riverside Holden
6 Crush Terrace
P: (08) 8541 2900 Fax: (08) 8541 3325

WHYALLA
McLeods Whyalla Motor Company
64 Essington Lewis Avenue
P: (08) 8645 7388 Fax: (08) 8645 5512

YANKALILLA
Martin Motors Pty Ltd
Main Street
P: (08) 8558 2052 Fax: (08) 8558 2911

YORKETOWN
Southway Holden
7 Minalaton Road
P: (08) 8852 1322 Fax: (08) 8852 1271

W.A. Metropolitan

CANNINGTON
Brian Gardner Holden
1308~1324 Albany Hwy
P: (08) 9356 9000 Fax: (08) 9458 9144

FREMANTLE
Shacks Holden
64 Queen Victoria Street
P: (08) 9432 9432 Fax: (08) 9432 9456

GOSNELLS
Gibbons Holden
2325 Albany Highway
P: (08) 9398 2211 Fax: (08) 9398 5683

MELVILLE
Melville Holden
532~540 Canning Highway
P: (08) 9333 5333 Fax: (08) 9333 5300

MIDLAND
Goldy Holden
161 Great Eastern Highway
P: (08) 9274 8000 Fax: (08) 9274 6042

MORLEY
Metro Motors Holden
212 Walter Road West
P: (08) 9449 3522 Fax: (08) 9449 3596

NAVAL BASE
Shacks Cockburn
15 Rockingham Road
P: (08) 9410 1433 Fax: (08) 9410 2331

OSBORNE PARK
North City Holden
Cnr Scarborough Beach Rd & Harborne St
P: (08) 9273 2222 Fax: (08) 9273 2220

PERTH
City Motors
505 Newcastle Street
P: (08) 9422 7777 Fax: (08) 9422 7630

VICTORIA PARK
Youngs Holden
529 Albany Highway
P: (08) 9449 9449 Fax: (08) 9449 9494

WANNEROO
Phoenix Holden
5 Berriman Drive
P: (08) 9409 9200 Fax: (08) 9309 2140

W.A. Country

ALBANY
Mark Loveridge Holden
92~98 Earl Street
P: (08) 9842 8000 Fax: (08) 9841 8623

BRIDGETOWN
Kordics Bridgetown
Hampton Street
P: (08) 9761 1377 Fax: (08) 9761 2151

BROOKTON
Coote Motors
1 Robinson Road
P: (08) 9642 1108 Fax: (08) 9642 1003

BROOME
Norwest Holden
7 McPherson Street
P: (08) 9192 1277 Fax: (08) 9192 2230

BUNBURY
Bunbury Holden
3 Sandridge Road
P: (08) 9791 3899 Fax: (08) 9791 2990

BUSSELTON
Fennessy's
4~8 Bussel Hwy
P: (08) 9752 1577 Fax: (08) 9752 4080

CARNAMAH
T & H Walton Stores Pty Ltd
Robertson Street
P: (08) 9951 1130 Fax: (08) 9951 1082

CARNARVON
North West Autos
175 Robinson Street
P: (08) 9941 1159 Fax: (08) 9941 1363

COLLIE
Station Motors
102 Throssell Street
P: (08) 9734 1855 Fax: (08) 9734 1913

ESPERANCE
Dempster Holden
Norseman Road
P: (08) 9071 1155 Fax: (08) 9071 3799

GERALDTON
Young Motors
34 Cathedral Avenue
P: (08) 9921 1088 Fax: (08) 9964 1157

AUSTRALIAN HOLDEN DEALERS cont.

GNOWANGERUP
Umtali Nominees Pty Ltd
10 Youngenup Road
P: (08) 9827 1207 Fax: (08) 9827 1444

HARVEY
Stockman Holden
111 Uduc Road
P: (08) 9729 3333 Fax: (08) 9729 3221

KALGOORLIE
Golden City Holden
114 Boulder Road
P: (08) 9021 1699 Fax: (08) 9021 5737

KARRATHA
Moxham Motors
Lot 4551 Balmoral Road
P: (08) 9144 1225 Fax: (08) 9144 1258

KATANNING
Edwards Holden
159 Clive Street
P: (08) 9821 2388 Fax: (08) 9821 2429

KELLERBERRIN
Dowding Motors
1 Mitchell Street
P: (08) 9045 4141 Fax: (08) 9045 4466

KUNUNURRA
Elgee Holden
231 Bloodwood Drive
P: (08) 9168 2236 Fax: (08) 9169 1124

MANDURAH
Mandurah Holden
53 Pinjarra Rd
P: (08) 9535 8777 Fax: (08) 9535 8822

MANJIMUP
Manjimup Automotive Services
Pritchard Street
P: (08) 9771 1388 Fax: (08) 9777 1214

MOORA
Frank Lewis Holden
92 Gardiner Street
P: (08) 9651 1408 Fax: (08) 9651 1724

NAREMBEEN
Aquip Machinery
20 Churchill Avenue
P: (08) 9064 7214 Fax: (08) 9064 7065

NORTHAM
Withnell Motors
58 Fitzgerald Street
P: (08) 9622 1188 Fax: (08) 9622 3664

PORT HEDLAND
Moxham Motors
15 Anderson Street
P:(08) 9173 3660 Fax: (08) 9144 1258

NEW ZEALAND HOLDEN DEALERS

Auckland Metropolitan

HENDERSON
West City Holden
435 Great North Road
P: (09) 836 0097 Fax: (09) 837 5291

MANUKAU
Davie Motors Limited
58 Cavendish Drive
P: (09) 262 1012 Fax: (09) 262 1011

NEWMARKET
Schofield & Co. Limited
50 Great South Road
P: (09) 520 6369 Fax: (09) 524 1500

PANMURE
Moyes Motor Group Limited
510 Ellerslie/Panmure Highway
P: (09) 527 1200 Fax: (09) 527 8314

TAKAPUNA
Giltrap Holden
Wairau Road
P: (09) 444 8114 Fax: (09) 444 8008

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ALEXANDRA
Currie Motors
65 Centennial Avenue
P: (03) 448 6989 Fax: (03) 448 9384

AMBERLEY
Arthur Burke Limited
Markham Street
P: (03) 314 8121 Fax: (03) 314 8281

ASHBURTON
Smallbone Brothers Limited
Cnr. Burnett & Cass Streets
P: (03) 308 7159 Fax: (03) 308 5551

BLENHEIM
Wadsco Motors Limited
55-59 Scott Street
P: (03) 578 5199 Fax: (03) 578 2572

CHRISTCHURCH
Blackwell Motors Limited
Cnr. Cashell/Madras Streets
P: (03) 379 5500 Fax: (03) 366 4683

DUNEDIN
Cooke Howlison Limited
484 Andersons Bay Road
P: (03) 456 0570 Fax: (03) 455 5668

DARGAVILLE
Marcel Motors Limited
34 Victoria Street
P: (09) 439 7399 Fax: (09) 439 7399

GISBORNE
Enterprise Cars (1992) Limited
323 Gladstone Street
P: (06) 867 8368 Fax: (06) 867 1280

HAMILTON
Ebbett Waikato Limited
Anglesea Street
P: (07) 838 0949 Fax: (07) 838 3380

HASTINGS
Karamu Holden
Cnr. Karamu Road & Albert Street
P: (06) 876 6700 Fax: (06) 876 6664

HAWERA
Moller Johnson Motors (Hawera) Limited
39-49 Regent Street
P: (06) 278 7166 Fax: (06) 278 5054

INVERCARGILL
GWD-Russells Limited
22 Yarrow Street
P: (03) 218 2149 Fax: (03) 218 3309

KAIKOHE
Bay Motors Limited
Wihongi Street
P: (09) 401 1860 Fax: (09) 401 0883

KAITAIA
Jim Crene Motors Limited
Melba Street
P: (09) 408 1310 Fax: (09) 408 1311

LEVIN
Horowhenua Motor Co. Limited
1-11 Exeter Street
P: (06) 368 7169 Fax: (06) 368 8536

LOWER HUTT
Brendan Foot Motors Limited
16-18 Railway Avenue
P: (04) 587 0005 Fax: (04) 566 2311

MASTERTON
Wagg & Harcombe Limited
87-93 Dixon Street
P: (06) 377 5169 Fax: (06) 378 8840

MATAMATA
Matamata Motor Group Limited
2 Arawa Street
P: (07) 888 7059 Fax: (07) 888 5709

MORRINSVILLE
Nicholson United Autos
Thames Street
P: (07) 889 7042 Fax: (07) 889 3529

NAPIER
Karamu Holden
Cnr Wellesley Rd & Thakeray St
P: (06) 874 3033 Fax: (06) 834 1454

NEW ZEALAND HOLDEN DEALERS cont.

NELSON
Nelson Bays Holden
2 Selwyn Place
P: (03) 545 7222 Fax: (03) 545 6057

NEW PLYMOUTH
Auto City
86 Molesworth Street
P: (06) 758 0919 Fax: (06) 758 5330

OAMARU
North Otago Motor Group Limited
24-30 Severn Street
P: (03) 434 5099 Fax: (03) 434 9983

OTOROHANGA
Pat Prescott Limited
205 Maniapoto Street
P: (07) 873 7119 Fax: (07) 873 7156

PAEROA
Linn Motors Limited
10-12 Belmont Road
P: (07) 862 8715 Fax: (07) 862 8711

PAHIATUA
Jones Motors Limited
34 Main Street
P: (06) 376 7524 Fax: (06) 376 7192

PALMERSTON NORTH
Robertson Motors
200 Rangitikei Street
P: (06) 358 1062 Fax: (06) 359 0303

PARAPARAUMU
Guy Weaver's Auto Village
Main Road
P: (04) 298 8089 Fax: (04) 298 7186

PUKEKOHE
Counties Motorcourt Limited
Cnr. Edinburgh & Tobin Streets
P: (09) 238 3259 Fax: (09) 238 3298

ROTORUA
Shorland Slater Limited
Old Taupo Road
P: (07) 348 3179 Fax: (07) 347 1503

STRATFORD
Ansford Johnson Limited
369 Broadway
P: (06) 765 6119 Fax: (06) 765 7410

TAUPO
Taupo Holden
Ruapehu Street
P: (07) 378 4130 Fax: (07) 378 0357

TAUMARANUI
Turaki Motors Limited
Hakiaha Street
P: (07) 895 7009 Fax: (07) 895 8909

TAURANGA
Ebbett Tauranga
Cnr. Wharf Street & Cameron Road
P: (07) 578 2843 Fax: (07) 578 6044

TE AROHA
Summit Motor Co. Limited
Kenrick Street
P: (07) 884 8174 Fax: (07) 884 8133

TE AWAMUTU
Rosetown Motors Limited
Cnr. Churchill & Mahoe Streets
P: (07) 871 5143 Fax: (07) 871 5045

TE PUKE
Bob Batchelor Motors Limited
Jellicoe Street
P: (07) 573 9781 Fax: (07) 573 6057

THAMES
Linn Motors
429 Pollen Street
P: (07) 868 9591 Fax: (07) 868 9595

TIMARU
Hervey Motors Limited
6 Sefton Street
P: (03) 684 7179 Fax: (03) 684 7176

UPPER HUTT
Twin Lakes Motor Company
Fergusson Drive
P: (04) 528 5609 Fax: (04) 527 8390

WANGANUI
Bob Burgess Motors Limited
1 Purnell Street
P: (06) 345 5588 Fax: (06) 345 5584

WELLINGTON
Williams & Adams
72-82 Taranaki Street
P: (04) 801 6777 Fax: (04) 385 7437

WHAKATANE
Harts Limited
Commerce Street
P: (07) 308 6334 Fax: (07) 307 1536

WHANGAREI
Mark Cromie Holden
5-13 Hannah Street
P: (09) 438 3199 Fax: (09) 438 2646

CHAPTER 10

Tow & Load

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10-2 Loading &towing
10-2 Vehicle capacities
10-3 Towing equipment
10-4 Tow bar ball load
10-4 Load distribution hitch
10-5 Roof rack loads
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10-5 Fitting accessories
10-6 Towing precautions

LOADING & TOWING

Trailers

The word "trailer" is used throughout this section. The word "trailer" is intended to include all types of towed vehicle, such as a caravan, boat trailer or any other special purpose trailer, etc.

Overloading

Overloading is a safety hazard and could also shorten the life of your vehicle.

Never exceed the loads specified for your vehicle or trailer, as specified below.

Vehicle Capacities

Unladen Mass – the mass of the vehicle in running order, unoccupied and unladen with all fluid reservoirs filled to nominal capacity (including fuel) and with all standard equipment fitted. Refer to the following table.

Gross Vehicle Mass Rating (GVMR) – the maximum allowable laden mass of the vehicle. Refer to the following table.

Gross Combination Mass Rating (GCMR) - the maximum allowable sum of the masses of the towing vehicle and the towed trailer. Refer to the following table.

Gross Towed Mass Rating (GTMR) - the maximum allowable mass of a trailer (including load) that may be towed by the vehicle. Refer to the following table.

Front Axle Capacity and ***Rear Axle Capacity*** - the maximum allowable loads on the ground at the front and rear axles. Refer to the following table.

Specifications table, in kg

	Frontera		Frontera S	Frontera SE
	Manual	Auto		
Unladen Mass	1810	1825	1812	1837
GVMR	2400			
GCMR	4400			
GTMR	2000			
Max ball load	200			
Front axle capacity	1150			
Rear axle capacity	1350			

Note: It may not be possible to tow a fully laden trailer (total trailer mass near or equal to the GTMR) with a fully laden vehicle (total vehicle mass near or equal to the GVMR), because the total combined weight of the vehicle–trailer combination may exceed the Gross Combination Mass Rating (GCMR). In such cases it is necessary to reduce the load in either or both the towing vehicle and the trailer so that the combined mass of the towing vehicle and trailer is less than the GCMR.

LOADING & TOWING cont.

When towing, you must take into account the additional load the trailer puts on the vehicle. Particular attention must be given to how the trailer changes the loads at the vehicle's front and rear axles.

When the vehicle and trailer are at or near full load, it may be necessary to use a public weighbridge to check that none of the vehicle's, trailer's or towing equipment's capacities have been exceeded.

Towing

Your vehicle is designed primarily to carry passengers, so handling, durability and economy may be affected by towing a trailer.

Country/State Regulations

Note that there are various regulations related to towing, and that these can vary between the different countries/states. These regulations normally cover the maximum allowable mass of the trailer and the maximum allowable driving speeds. You must be familiar with the regulations for towing for each of the states in which you intend to tow. Details of the regulations are available from the relevant state road traffic authorities or motoring associations.

Towing Equipment

The following table shows which towing equipment is essential, according to the total mass to be towed.

For your safety and your vehicle's durability, all equipment marked "Essential" must be correctly installed and used. Otherwise you may void your New Vehicle Warranty, to the extent that Holden considers the overloading, missing equipment or misuse to have affected the specifications or quality of your vehicle.

Towing equipment table

Total Trailer Mass	2000 kg Tow bar	Trailer Wiring Harness	Trailer Brakes	Load Distribution Hitch
Up to 900kg	Essential	Essential	Check State Laws	-
Above 900 kg	Essential	Essential	Essential	Essential

Your Holden Dealer can supply and install towing equipment to suit your towing needs.

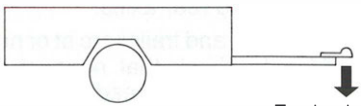
The Holden towing package for Fronteras include the tow bar, tow bar "tongue" and wiring harness. A Load Distribution Hitch, if required, is sold separately.

Caution: Holden towing equipment is recommended where it is available. Where it is not available, no recommendation is made as to the make of equipment to be used. Holden will not accept liability for defects occurring in towing equipment not marketed by Holden or for defects in the vehicle arising from the use of such equipment. The use of such equipment may void your New Vehicle Warranty, to the extent that Holden considers the overloading or missing equipment to have affected the specifications or quality of your vehicle.

LOADING & TOWING cont.

Tow Bar Ball Load

When a trailer is connected to the towing vehicle, some of the weight of the trailer is applied through the tow "ball" to the tow bar and towing vehicle. This weight is called the "tow bar ball weight" or "ball load". The maximum ball load can be found in the specifications table earlier in this Chapter.



Tow bar ball load

If the "ball load" is too light or too heavy the steering, handling and ride characteristics of the vehicle can be adversely affected.

Check the "ball load" capacity of your towing equipment. This may be called the "Maximum Down Load", "Maximum Vertical Load", "Maximum Ball Load" or similar and will be specified on your tow bar as well as in the specifications table, earlier in this Chapter.

As a general guideline, for heavy trailers with more than one axle, the "ball load" should be in the range 5% - 10% of the loaded trailer mass. For all other trailers, the "ball load" should be approximately 10% of the loaded trailer mass. .

Establish a target "ball load" that is in accordance with the recommendations (above) and within the capacity of the towing equipment.

Check the "ball load" (compare with the target) before coupling the trailer to the towing vehicle.

The "ball load" can be adjusted by redistributing the contents of the trailer i.e.. by moving the contents of the trailer forward or backward within the trailer so as to change the trailer's balance.

For further information contact the road authority in your country/state.

Load Distribution Hitch

A Load Distribution Hitch (also called a "Load Equalising Hitch") is designed to transfer some of the load from the vehicle's rear axle to the vehicle's front axle and the axle(s) of the trailer.

A load distribution hitch can also be used to restore the towing vehicle to a more normal (level) "attitude". This reduces the need to adjust headlight alignment and should provide the towing vehicle with more "normal" ride and handling. For these reasons, the use of load distribution devices can make towing safer, more comfortable and more convenient.

Adjust the load distribution hitch so that the vehicle is has about the same "attitude" ("stance" or "angle to the ground") as when it is unladen.

LOADING & TOWING cont.

Roof Rack Loads

For your safety, and to avoid damaging the vehicle's roof, only use the Holden approved roof rack systems available for your Frontera.

The combined weight of the roof rack and roof rack contents should not exceed 91 kg for SE models or 60 kg for all other models, when driving on normal roads. During off-road driving, this should be reduced to 45 kg for SE models and 30 kg for all other models.

To maximise safety, distribute the load on the roof rack evenly. Ensure that all roof rack loads are adequately secured. Increase tyre pressures to the value given for a full load. Where possible, avoid high vehicle speed.

The mass of the roof rack and its contents must be considered when evaluating the vehicle's overall loaded condition.

Fitting Accessories (Bull Bars, Driving Lamps, Insect Screens, etc.)

When fitting accessories take care not to restrict airflow through the air conditioner's condenser and the radiator, otherwise engine overheating and/or poor air conditioning performance may result.

The mass of all accessories must be considered when evaluating the vehicle's overall loaded condition.

Remember that bull bars may affect air bag operation. Refer to Chapter 6 for details.

Running In Before Towing

Holden recommends that you drive your new vehicle for at least 1,500 km before towing. If you must tow in the first 1,500 km of the vehicle's life, do not exceed 80 km/h.

The same applies if the vehicle is equipped with a new or reconditioned engine, transmission or axle.

Off Road Loading And Towing

Driving your vehicle off-road may induce higher loads than normal on-road driving. To reduce the risk of damage to your vehicle (and trailer) and improve safety when operating off-road, reduce the vehicle speed and minimise the load being carried (or towed).

TOWING PRECAUTIONS

- Your vehicle will handle differently when towing. It's a good idea to make a couple of short-distance trips with the trailer to become familiar with the handling characteristics of the vehicle when towing.
- Have your vehicle correctly maintained and serviced.
- Have your trailer maintained and serviced, with particular attention to the condition of the brakes, tyres, suspension, wheel bearings, lighting and the towing equipment.
- Driving speed should be reduced when towing.
- If the trailer has poor directional stability seek qualified advice e.g.. your trailer's manufacturer or retailer. The use of stabilising equipment should be considered.
- Ensure that all loads – in or on the towing vehicle and in the trailer - are properly secured.
- Use extended-arm rear vision mirrors when the trailer is wider than the towing vehicle.
- Headlights may need realignment after the loaded trailer has been hitched. The use of a load distribution hitch will reduce the need for headlight realignment, making towing safer and more convenient.
- Slow the vehicle and select a lower gear before descending steep hills.
- When towing, inflate the vehicle's tyres to the maximum recommended pressure.
- Be familiar with the regulations for towing for each of the states in which you intend to tow. Contact the road traffic authority in each state for specific advice.
- The brakes on the trailer must be adequate for the braking needs of the trailer and must not adversely affect the performance of the brakes of the towing vehicle.
- When a tow bar is removed, be certain to seal any mounting holes in the chassis frame or vehicle body to prevent the possible entry of exhaust fumes, dust and water. Sealing mounting holes in the chassis frame will ensure that the tow bar can be properly refitted at a later date.
- Ensure that no part of the tow bar (including the tongue or tow ball obscures the vehicle's licence plate. If necessary, remove the tow bar tongue when it is not in use.
- More frequent vehicle maintenance is required when using your vehicle to pull a trailer. Refer Chapter 12.

CHAPTER 11

Cleaning

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INTERIOR CLEANING

CAUTION: Many cleaning agents may be toxic, flammable or may damage the interior. When cleaning the interior, avoid volatile cleaners such as: acetone, lacquer thinners, enamel reducers, nail polish removers, or cleaners such as laundry soaps, bleaches or reducing agents. Never use carbon tetrachloride, petrol or naphtha for any cleaning purpose. Be sure the vehicle is well ventilated while using any cleaners and always follow the cleaning manufacturer's recommendations.

Care and Cleaning of Upholstery

Dust and dirt which accumulate on upholstery should be removed every few weeks - more often with constant driving. This can be done readily with a vacuum cleaner. Before attempting to remove spots and stains, it is necessary to determine as accurately as possible:

- The type of fabric.
- The nature and age of the stain.
- The effect of the stain removal agent on the upholstery.

Remove the stains as soon as possible after they have been made. If they are allowed to remain for any length of time they very often become oxidised or set, and removal becomes difficult, if not impossible.

Vinyl

Vinyl fabrics are used for seating, headlinings and auxiliary trimming. The surface should be wiped over with a dry cloth during the regular cleaning of the vehicle.

Should dirt accumulate and become embedded in the material pattern:

1. Use lukewarm water and soap, or Holden Velour Fabric and Vinyl Cleaner and work up thick suds on a piece of cheesecloth, and apply to the surface. A soft bristle brush can be used to remove embedded dirt and stubborn stains.
2. Repeat using only a damp cloth and no soap.
3. Wipe dry with a soft cloth.

The above cleaning instructions also apply to the rubber floor mats.

INTERIOR CLEANING cont.

Cloth

- Most loose dirt and dust can be removed by a vacuum cleaner or soft brush.
- DO NOT use a whisk broom or a coarse hair brush.
- For normal soiling, sponge lightly with warm water containing a detergent and a small amount of ammonia. The fabric should then be rubbed lightly, and if necessary, sponged again to remove anything stubborn. Soak up excess fluid with a dry cloth. Holden Velour Fabric and Vinyl Cleaner may be used to advantage, but should be used sparingly.

Carpet

Thoroughly brush or vacuum the carpet. In many instances the carpet may require no further cleaning. If the carpet is extremely soiled, thoroughly vacuum it to remove loose dirt then, using Holden Velour Fabric and Vinyl Cleaner, clean approximately one square foot at a time. After each area is cleaned, remove as much of the cleaner as possible with a vacuum cleaner.

Seat Belts

Clean seat belts with a mild, non-abrasive soap and lukewarm water. After washing, be sure to thoroughly sponge the washing solution out of the belts.

CAUTION: Do not bleach or dye seat belts as this may severely weaken them.

Interior Glass

The interior glass area of the vehicle should be cleaned using Holden Glass Cleaner with a clean soft cloth. Care must be taken when cleaning inside the rear window so as not to damage the demister.

Never use abrasive cleaners on any vehicle glass, as they can cause scratches.

EXTERIOR CLEANING

CAUTION: Care should be taken when moving the vehicle after washing, in case water has affected the brakes. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with a clear area ahead, until brake performance returns to normal.

Regular, thorough care improves the value and appearance of your vehicle. It is also a prerequisite for warranty claims on paint or corrosion damage.

Washing Paint

Washing not only removes dirt and road grime that settles on the vehicle, but also dilutes acids which accompany such grime, in particular, salt from air or sea spray encountered in coastal areas which often becomes trapped in crevices. Tree sap, road tar, excretion from birds, insects and industrial fall out often contain harmful chemicals and other foreign matter that may permanently damage the paint finish of the vehicle. These should be removed without delay, using an effective removal agent.

Regular Washing

If the vehicle is in continuous use, it should be washed at least once a week with either cold or warm water (preferably running water), using clean chamois leathers, sponges or rags free from dirt or grit likely to scratch the paint finish. It is good practice to first hose the vehicle to remove as much of the grit and grime as possible before swabbing the surface.

Do not wash the vehicle under bright sunlight on hot days, as this will result in a streaky or spotted paint finish. This is caused by refraction of sunlight through the water drops (just like a magnifying glass) which concentrates the sunlight, producing very high temperatures on the paint surface. For the same reason, you should thoroughly dry the vehicle after washing.

Do not use hot water, strong soap or chemical detergents. Any cleaner should be flushed promptly from the surface and not allowed to dry on the finish.

EXTERIOR CLEANING cont.

Removing Grease, Oil and Tar Spots

Grease and oil, and even tar if it's fresh, can be removed from the finish with a little kerosene or turpentine. As a precaution against staining, wash and polish as soon as possible the area from which the foreign matter has been removed.

CAUTION:

Some chemical cleaners used for removing road oils and tars from painted surfaces have been found to be detrimental to paint finishes.

If petrol is spilt on the paint when refilling, flush off immediately with clean water, as petrol has a tendency to stain or soften new paint finish during the weathering out period, particularly when the vehicle is exposed to high temperatures.

Petrol MUST NOT be used to clean any painted or plastic surfaces.

Polishing and Waxing

Wax your vehicle regularly and in particular after it has been washed using shampoo, otherwise the paintwork will dry out. The vehicle must be re-waxed when water no longer forms beads on the paint. Waxing prevents harmful chemical action. Also wax edges and folds on opened doors and flaps as well the areas they cover.

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it. Plastic body parts should not be treated with wax or polish.

Paint Inspection

Regular inspection of the vehicle should be made for scratch marks, cracks or damaged areas, all of which could develop rust and thus affect paint finish. Any deep scratches, cracks or breakdown in the finish should be repaired without delay. Care should be taken to ensure that any rusting is counteracted immediately, otherwise rust 'creep' will extend beyond the damaged area. This applies particularly in sub-tropical areas or coastal districts, where the moist, or salt-laden atmosphere accelerates rusting if it is allowed to develop through neglect. The paint finish of the vehicle gives a very high degree of protection against the weather, but it should be realised that wear and deterioration occur when the vehicle is exposed to the elements for prolonged periods. The vehicle therefore should be garaged whenever possible.

Wheels

The steel wheels are painted and alloy wheels are lacquered. Both types of wheels should be treated with the same care as the body.

EXTERIOR CLEANING cont.

Tyres

Sponging with cold water is all that is necessary for normal cleaning of the tyres. Oil and grease can, and should be removed with soap and water or detergent. For tar or other substances, a mild abrasive, such as mechanic's hand soap or kitchen cleaning powder, may be used if necessary. Thoroughly wash the tyres with water to finish. Petrol must not be used for cleaning tyres. Do not use high-pressure jet cleaners on wheels and tyres.

Glass Cleaning – General

Special care should be taken to avoid scratching the glass when cleaning. If it is cleaned at the same time as the rest of the vehicle, there is a possibility that particles of grit will cause fine scratches. Flush off any heavy mud deposits on the glass when washing the body, but leave the final cleaning and polishing until afterwards. Use Holden Glass Cleaner and wash each section of glass in turn, making sure that the water, its container and the sponge are clean and free from grit. Clean old linen cloth is better than new material for polishing glass.

Windscreen

It is important that the windscreen be kept clean so that the wiper blades may be as effective as possible. Old wiper blades can cause windscreen scratching and so should be regularly inspected and replaced if necessary. Abrasive cleaners should never be used to clean glass as they can cause scratches, impairing night vision. After the windscreen has been cleaned with a wet sponge it should be wiped over with a soft, lint free cloth or chamois.

It is recommended that Holden Optikleen be added to the windscreen washer reservoir.

Wiper Blades

Oil and road scum thrown up on the windscreen will cause smearing when the wipers are switched on, when the dirt is transferred onto the wiper blades. Many owners, whilst they methodically clean the windscreen glass, omit to clean the wiper blades and consequently smearing of the glass reappears immediately the wiper blades are used. The blades can be cleaned by lifting them off the windscreen and cleaning with Holden Optikleen and a clean cloth.

CAUTION: Do not operate the wiper blades by hand as this may damage the wiper drive mechanism.

If the wiper blades are used to clean dust and dirt from the windscreen in dry conditions always use the washer system first to wet the windscreen. Ensure that the windscreen washer reservoir is not empty.

CLEANING PRODUCTS

HOLDEN PART NUMBER	SIZE	DESCRIPTION	USAGE
92141386	500 ml	Polymer glaze polish	Seals in a deep, lustrous glazed finish. Long life protection from oxidation, salt and weather damage.
M38424	400 g	Velour fabric and vinyl cleaner	Cleans and deodorises velour, most vinyl upholstery, hood linings, mats and carpets.
M40383	350 g	Tyre and bumper shine	Restores tyres and bumpers to as-new finish.
92141182	350 g	Glass cleaner	Cleans all glass surfaces.
92141392		Chamois	
92140005	500 ml	Optikleen	Windscreen washer solvent.
92140004	5 ml	Optikleen sachet	Windscreen washer solvent; 1 sachet per washer bottle refill.
M40500	300 g	Bug, tar and spot remover	Quickly dissolves and removes tar, grease, oil, bug and other stubborn stains from your car's exterior.
92141395	750 ml	Wheel cleaner	Wheel cleaner, including alloy wheels.
M37223	400 g	Degreaser	Removes oil and grease from engines.

NOTES

CHAPTER 12

Servicing

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SERVICE INTERVALS

When it comes to service, remember that your Holden Dealer has the trained personnel and specialised equipment to correctly service your vehicle. Your Dealer invites you to return for all your service needs both during and after the warranty period.

The safety, economy, emission control, performance and reliability of your vehicle cannot be assured unless regular maintenance is performed, preferably by factory-trained technicians at Holden Dealers.

Therefore, it is in the owner's interest that the following services are performed at the specified Distance or Months (whichever occurs first).

5,000 km	– 3 months
10,000 km	– 6 months
20,000 km	– 1 year
30,000 km	– 1.5 years
40,000 km	– 2 years
50,000 km	– 2.5 years
60,000 km	– 3 years
70,000 km	– 3.5 years
80,000 km	– 4 years
90,000 km	– 4.5 years
100,000 km	– 5 years
110,000 km	– 5.5 years
120,000 km	– 6 years
130,000 km	– 6.5 years
140,000 km	– 7 years
150,000 km	– 7.5 years
160,000 km	– 8 years
170,000 km	– 8.5 years
180,000 km	– 9 years
190,000 km	– 9.5 years
200,000 km	– 10 years
210,000 km	– 10.5 years
220,000 km	– 11 years
230,000 km	– 11.5 years
240,000 km	– 12 years

The three month (5,000 kilometres) service will be performed 'labour free' by the Selling Dealer.

This service may be carried out by another Holden Dealer provided you have a letter of Introduction from the Selling Dealer.

Your Dealer will supply the necessary letter of Introduction upon request.

The services shown in this schedule between 10,000 km and 240,000 km are to be performed again after 240,000 km at the same intervals.

SERVICE INTERVALS cont.

All maintenance services as listed in this Handbook and replacement of service items are the responsibility of the owner and as such are NOT considered, under the provisions of the New Vehicle Warranty, to be rectification of defective material and workmanship. Items such as wheel alignment, necessary adjustments to the drive belts, transmission, clutch, parking brake, etc. or any other items which may require servicing due to fair wear and tear will be carried out at the owner's cost.

Damage caused by failure to have proper maintenance services carried out by an authorised Holden Dealer or authorised Service Outlet, or in accordance with Holden's specifications, may void your New Vehicle Warranty. It is strongly recommended that you read the 'New Vehicle Warranty' in Chapter 9 so that you are aware of your Warranty exclusions.

Service coupons are provided further on in this chapter. When each service is performed, the coupon is removed so that the following service coupon is readily visible to remind you when the next service is due.

After the service is completed, the owner should check that the service has been validated by the Dealer stamping and signing the coupon stub. This is important as it will not only assist in the determination of Warranty Claims, but will enhance the vehicle's resale value.

EXTREME OPERATING CONDITIONS

Under severe operating conditions, e.g. short distance driving, driving on unsurfaced roads, during heavy dust accumulation, or trailer towing etc., maintenance operations, e.g. changes of engine oil, oil filter and air cleaner element, should be performed at shorter intervals. As a guide, if you operate continually for a period of one month or 1,500 km under any of the extreme conditions, then this could qualify your vehicle for additional services.

If you are frequently driving in off-road use, the propeller shafts and mountings require lubricating and checking every 10,000 km. If you are frequently driving through water, then the propeller shafts and mountings require lubricating and checking every 5,000 km.

Additional services should be verified in the spaces provided below. Your Holden Dealer can inform you which additional service is required between the normal service intervals after considering your specific operating conditions.

SPECIAL OPERATING CONDITIONS Date ..... km ..... Servicing Dealer ..... Operations performed	SPECIAL OPERATING CONDITIONS Date ..... km ..... Servicing Dealer ..... Operations performed ....
SPECIAL OPERATING CONDITIONS Date ..... km ..... Servicing Dealer ..... Operations performed	SPECIAL OPERATING CONDITIONS Date ..... km ..... Servicing Dealer ..... Operations performed ....
SPECIAL OPERATING CONDITIONS Date ..... km ..... Servicing Dealer ..... Operations performed	SPECIAL OPERATING CONDITIONS Date ..... km ..... Servicing Dealer ..... Operations performed ....

EXTREME OPERATING CONDITIONS cont.

If your vehicle operates under any of the extreme conditions listed in the following table, it is recommended that some items be serviced more frequently than the intervals specified in the Maintenance Plan.

The extra services listed below need only be carried out if your vehicle operates continuously under the conditions specified.

If you operated under any of these conditions on a one off basis, e.g. a holiday trip, then an extra service should be applied for that period only.

As a guide, if you operate continuously for a period of one month or 1,500 km under any of the extreme conditions, then this could qualify your vehicle for additional services.

If at any time it is considered that the items below or other items should be more frequently serviced due to the type of operation or before a long trip, discuss the situation with the service manager of your Holden Dealer.

A: Repeated short trips

B: Driving on rough roads

C: Driving on dusty roads

D: Driving in extremely cold weather and/or on salted roads

Change engine oil every 5,000 km or 3 months	**A**		**C**	**D**
Replace engine oil filter every 10,000 km	**A**		**C**	**D**
Inspect exhaust pipes and mounting every 5,000 km	**A**	**B**		**D**
Replace air cleaner element every 20,000 km			**C**	
Inspect steering system for looseness or damage every 5,000 km		**B**		
Inspect universal joints and sleeves for wear and lubricate every 5,000 km		**B**	**C**	
Change manual transmission oil every 20,000 km after changing at initial 10,000 km		**B**		
Change transfer case fluid/oil every 20,000 km (manual and automatic transmission)		**B**		
Change differential oil every 20,000 km after changing initially at 10,000 km		**B**		
Inspect front brake pads and discs	**A**	**B**	**C**	

MAINTENANCE SCHEDULE

For service specifications after 120,000 km refer to the tearout coupons.

Use odometer reading or years, whichever occurs first	x 1,000 km	5	10	20	30	40	50	60	70	80	90	100	110	120
	or years	.25	.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
UNDER BONNET														
Engine oil			R	R	R	R	R	R	R	R	R	R	R	R
Engine oil filter			R		R		R		R		R		R	
Oil contamination		I	I	I	I	I	I	I	I	I	I	I	I	I
Fluid levels: power steering, brake, washer, clutch, battery		I	I	I	I	I	I	I	I	I	I	I	I	I
Coolant level 50% concentration		I	I	I	I	I	I	I	I	I	I	R	I	I
Radiator cap and cooling system pressure test				I		I		I		I		I		I
Timing belt		Replace every 160,000 km or 8 years												
All hoses and pipes in engine compartment for deterioration or leaks		I	I	I	I	I	I	I	I	I	I	I	I	I
Clean front of radiator core and A/C condenser				I		I		I		I		I		I
Fuel filter				R		R		R		R		R		R
Air cleaner element		I		I		I		I		R		I		I
Pre-air cleaner		I				I				I				I
Accessory drive belt condition		I	I	I	I	I	I	I	I	I	I	I	I	I
Valve clearances												A		
Spark plugs												R		
Oxygen sensors		Replace every 150,000 km or 7.5 years												
Power steering fluid						R				R				R

MAINTENANCE SCHEDULE cont.

Use odometer reading or years, whichever occurs first	x 1,000 km	5	10	20	30	40	50	60	70	80	90	100	110	120
	or years	.25	.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
UNDER VEHICLE														
Clutch fluid						R				R				R
Brake fluid						R				R				R
Manual transmission oil		I		I		R		I		R		I		R
Automatic transmission fluid		I		I		I		I		R		I		I
Transfer case fluid/oil		I		I		I		I		R		I		I
Universal joints and splines for wear		I	I	I	I	I	I	I	I	I	I	I	I	I
Universal joints and sliding sleeve		L	L	L	L	L	L	L	L	L	L	L	L	L
Differential gear oil (front and rear)		I	I	I	I	R	I	I	I	R	I	I	I	R
Disc brake pads and disc wear			I	I	I	I	I	I	I	I	I	I	I	I
Wheel nuts		T	T	T	T	T	T	T	T	T	T	T	T	T
Front wheel bearing and locking hubs grease					R			R			R			R
Front and rear hub bearing for looseness				I		I		I		I		I		I
Vehicle ride height		I	I	I	I	I	I	I	I	I	I	I	I	I

I: Inspect and correct or replace as necessary
R: Replace or change
T: Tighten to specified torque
L: Lubricate
A: Adjust

MAINTENANCE SCHEDULE cont.

Use odometer reading or years, whichever occurs first		5	10	20	30	40	50	60	70	80	90	100	110	120
	x 1,000 km													
	or years	.25	.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
UNDER VEHICLE cont.														
Tyre pressure and wheels for damage		I	I	I	I	I	I	I	I	I	I	I	I	I
Tyre rotation				Rotate as necessary										
General under body check: steering and suspension components (inc. shock absorbers, all rubber bushes and boots, ball joints and connections) park brake cables, fuel system, exhaust system, brake system, bolts, nuts, hoses, pipes and check for leaks.		I	I	I	I	I	I	I	I	I	I	I	I	I
INSIDE VEHICLE														
Clutch pedal travel and free play		I	I	I	I	I	I	I	I	I	I	I	I	I
Steering wheel play		I	I	I	I	I	I	I	I	I	I	I	I	I
Brake pedal travel and free play		I	I	I	I	I	I	I	I	I	I	I	I	I
Park brake lever travel		I		I		I		I		I		I		I
Park brake ratchet for wear or damage				I		I		I		I		I		I

I: Inspect and correct or replace as necessary
R: Replace or change
T: Tighten to specified torque
L: Lubricate
A: Adjust

MAINTENANCE SCHEDULE cont.

Use odometer reading	x 1,000 km	5	10	20	30	40	50	60	70	80	90	100	110	120
or years, whichever occurs first	or years	.25	.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
ROAD TEST														
Check vehicle on the road for braking, steering, engine response and trans operation. Check cruise control, park pawl operation, A/C performance and neutral start switch.		I	I	I	I	I	I	I	I	I	I	I	I	I
SERVICE TIMES														
Hours		-	1.2	1.4	1.9	2.1	1.2	2.2	1.2	2.1	1.9	6	1.2	2.8
add for automatic transmission		-	-	-	-	-	-	-	-	0.2	-	-	-	-
add for manual transmission		-	-	-	-	0.4	-	-	-	0.4	-	-	-	0.4

- The owner will be charged for all lubricants and materials used plus labour at the times recommended above.
- The repair or replacement of any part found faulty during a service check and not covered by Holden Warranty will be added to the charges.
- Where any deficiencies are noted, such items should be reported to the owner/ operator so that the extra work required can be authorised.
- The use of break-in oil, tune up compounds, friction reducing compounds and other supplemental additives are not recommended; their use will not only increase operating costs, but may indeed be harmful to your vehicle.

NOTES

5,000 km or 3 month Inspection

This coupon should not be removed until the vehicle is presented for inspection.

Owner's Name — Mr. / Mrs. ..... / Miss. / Other.....

Address .....

Town .....

State ..... Postcode .....

Reg. no. ..... Engine no .....

I.S.O.V.I.N. ..... Model .....

Selling Dealer's Stamp & Signature .....

Date of Acquisition .....

This vehicle has been thoroughly checked in accordance with the schedule on the reverse side of this coupon.

Servicing Dealer's Stamp & Signature .....

Servicing Dealer .....

Town ..... State .....

Owner's signature .....

This inspection is provided FREE of charge.

5,000 km or 3 months Inspection Validation

This vehicle has been thoroughly checked in accordance with the 5,000 km/three month inspection.

Dealer .....

Service Manager's signature .....

Date ..... Odometer reading .....

- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ HOSES & PIPES – check for leaks
- ❑ PRE-AIR CLEANER – check for dirt and dust particles
- ❑ AIR CLEANER – check for dirt and dust particles
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ MANUAL TRANS – check level
- ❑ AUTOMATIC TRANS – check level
- ❑ TRANSFER CASE – check level
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ PARK BRAKE LEVER TRAVEL – check
- ❑ PARK BRAKE RATCHET – check operation
- ❑ ROAD TEST

10,000 km or 6 months

SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.2 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

10,000 km or 6 months Service Validation

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ OIL FILTER – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ HOSES & PIPES – check for leaks
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ ROAD TEST

20,000 km or 1 year

SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.4 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

20,000 km or 1 year Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ RADIATOR CAP – pressure test
- ❑ COOLING SYSTEM – pressure test
- ❑ HOSES & PIPES – check for leaks
- ❑ RADIATOR & CONDENSER – cleans and check
- ❑ FUEL FILTER – replace
- ❑ AIR CLEANER – check for dirt and dust particles
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ MANUAL TRANS – check level
- ❑ AUTOMATIC TRANS – check level
- ❑ TRANSFER CASE – check level
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT & REAR HUB BEARINGS – Check for looseness
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ PARK BRAKE LEVER TRAVEL – check
- ❑ PARK BRAKE RATCHET – check operation
- ❑ ROAD TEST

30,000 km or 1.5 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.9 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

30,000 km or 1.5 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ OIL FILTER – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ HOSES & PIPES – check for leaks
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT WHEEL BEARING & LOCKING HUB – replace the grease
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ ROAD TEST

40,000 km or 2 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 2.1 hours
- add 0.4 hours for manual trans

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

40,000 km or 2 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ RADIATOR CAP – pressure test
- ❑ COOLING SYSTEM – pressure test
- ❑ HOSES & PIPES – check for leaks
- ❑ RADIATOR & CONDENSER – clean and check
- ❑ FUEL FILTER – replace
- ❑ PRE-AIR CLEANER – check
- ❑ AIR CLEANER – check
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ POWER STEERING – replace fluid
- ❑ CLUTCH FLUID – replace
- ❑ BRAKE FLUID – replace
- ❑ MANUAL TRANS – replace fluid
- ❑ AUTOMATIC TRANS – check level
- ❑ TRANSFER CASE – check level
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL – replace front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT & REAR HUB BEARINGS – check for looseness
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ PARK BRAKE LEVER TRAVEL – check
- ❑ PARK BRAKE RATCHET – check operation
- ❑ ROAD TEST

50,000 km or 2.5 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.2 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

50,000 km or 2.5 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ OIL FILTER – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ HOSES & PIPES – check for leaks
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ ROAD TEST

60,000 km or 3 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 2.2 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

60,000 km or 3 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ RADIATOR CAP – pressure test
- ❑ COOLING SYSTEM – pressure test
- ❑ HOSES & PIPES – check for leaks
- ❑ RADIATOR & CONDENSER – clean and check
- ❑ FUEL FILTER – replace
- ❑ AIR CLEANER – check
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ MANUAL TRANS – check level
- ❑ AUTOMATIC TRANS – check level
- ❑ TRANSFER CASE – check level
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – Check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT WHEEL BEARING & LOCKING HUB – replace the grease
- ❑ FRONT & REAR HUB BEARINGS – check for looseness
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ PARK BRAKE LEVER TRAVEL – check
- ❑ PARK BRAKE RATCHET – check operation
- ❑ ROAD TEST

70,000 km or 3.5 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.2 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

70,000 km or 3.5 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ OIL FILTER – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ HOSES & PIPES – check for leaks
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ ROAD TEST

80,000 km or 4 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 2.1 hours
- add 0.2 hours for auto or 0.4 hours for manual

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

80,000 km or 4 years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed.....

Additional services performed: .....
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- ❑ ENGINE OIL – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ RADIATOR CAP – pressure test
- ❑ COOLING SYSTEM – pressure test
- ❑ HOSES & PIPES – check for leaks
- ❑ RADIATOR & CONDENSER – clean and check
- ❑ FUEL FILTER – replace
- ❑ PRE-AIR CLEANER – check
- ❑ AIR CLEANER – replace
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ POWER STEERING – replace fluid
- ❑ CLUTCH FLUID – replace
- ❑ BRAKE FLUID – replace
- ❑ MANUAL TRANS – replace fluid
- ❑ AUTOMATIC TRANS – replace fluid
- ❑ TRANSFER CASE – replace fluid
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL – replace front and rear
- ❑ DISC BRAKE PADS & DISCS – Check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT & REAR HUB BEARINGS – check for looseness
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ PARK BRAKE LEVER TRAVEL – check
- ❑ PARK BRAKE RATCHET – check operation
- ❑ ROAD TEST

90,000 km or 4.5 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.9 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

90,000 km or 4.5 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ OIL FILTER – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ HOSES & PIPES – check for leaks
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS AND DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT WHEEL BEARING & LOCKING HUB – replace the grease
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ ROAD TEST

100,000 km or 5 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 6.0 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

100,000 km or 5 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ COOLANT – replace fluid
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ RADIATOR CAP – pressure test
- ❑ COOLING SYSTEM – pressure test
- ❑ HOSES & PIPES – check for leaks
- ❑ RADIATOR & CONDENSER – clean and check
- ❑ FUEL FILTER – replace
- ❑ AIR CLEANER – check
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ VALVE CLEARANCES – adjust
- ❑ SPARK PLUGS – replace
- ❑ MANUAL TRANS – check fluid level
- ❑ AUTOMATIC TRANS – check fluid level
- ❑ TRANSFER CASE – check fluid level
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL WHEEL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT & REAR HUB BEARINGS – check for looseness
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ PARK BRAKE LEVER TRAVEL – check
- ❑ PARK BRAKE RATCHET – check operation
- ❑ ROAD TEST

110,000 km or 5.5 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.2 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

110,000 km or 5.5 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ OIL FILTER – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ HOSES & PIPES – check for leaks
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ ROAD TEST

120,000 km or 6 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 2.8 hours
- add 0.4 hours for manual

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

120,000 km or 6 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ RADIATOR CAP – pressure test
- ❑ COOLING SYSTEM – pressure test
- ❑ HOSES & PIPES – check for leaks
- ❑ RADIATOR & CONDENSER – clean and check
- ❑ FUEL FILTER – replace
- ❑ PRE-AIR CLEANER – check
- ❑ AIR CLEANER – check
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ POWER STEERING – replace fluid
- ❑ CLUTCH FLUID – replace
- ❑ BRAKE FLUID – replace
- ❑ MANUAL TRANS – replace fluid
- ❑ AUTOMATIC TRANS – check fluid level
- ❑ TRANSFER CASE – check fluid level
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL – replace front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ FRONT WHEEL BEARING & LOCKING HUB – replace the grease
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT & REAR HUB BEARINGS – check for looseness
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ PARK BRAKE LEVER TRAVEL – check
- ❑ PARK BRAKE RATCHET – check operation
- ❑ ROAD TEST

130,000 km or 6.5 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.2 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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.....

Signature .....

Date .....

130,000 km or 6.5 years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed.....

Additional services performed: .....
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- ❑ ENGINE OIL – replace
- ❑ OIL FILTER – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ HOSES & PIPES – check for leaks
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAROIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ ROAD TEST

140,000 km or 7 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.4 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

140,000 km or 7 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ RADIATOR CAP – pressure test
- ❑ COOLING SYSTEM – pressure test
- ❑ HOSES & PIPES – check for leaks
- ❑ RADIATOR & CONDENSER – clean and check
- ❑ FUEL FILTER – replace
- ❑ AIR CLEANER – check
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ MANUAL TRANS – check fluid level
- ❑ AUTOMATIC TRANS – check fluid level
- ❑ TRANSFER CASE – check fluid level
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT & REAR HUB BEARINGS – check for looseness
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ PARK BRAKE LEVER TRAVEL – check
- ❑ PARK BRAKE RATCHET – check operation
- ❑ ROAD TEST

150,000 km or 7.5 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.9 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

150,000 km or 7.5 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ OIL FILTER – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ HOSES & PIPES – check for leaks
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ O_2 SENSORS – replace
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT WHEEL BEARING & LOCKING HUB – replace the grease
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ ROAD TEST

160,000 km or 8 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 3.2
- add 0.2 hours for auto and 0.4 hours for manual

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

160,000 km or 8 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ RADIATOR CAP – pressure test
- ❑ COOLING SYSTEM – pressure test
- ❑ TIMING BELT – replace
- ❑ HOSES & PIPES – check for leaks
- ❑ RADIATOR & CONDENSER – clean and check
- ❑ FUEL FILTER – replace
- ❑ PRE-AIR CLEANER – check
- ❑ AIR CLEANER – replace
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ POWER STEERING – replace fluid
- ❑ CLUTCH FLUID – replace
- ❑ BRAKE FLUID – replace
- ❑ MANUAL TRANS – replace fluid
- ❑ AUTOMATIC TRANS – replace fluid
- ❑ TRANSFER CASE – replace fluid
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL – replace front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT & REAR HUB BEARINGS – check for looseness
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ PARK BRAKE LEVER TRAVEL – check
- ❑ PARK BRAKE RATCHET – check operation
- ❑ ROAD TEST

170,000 km or 8.5 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.2 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

170,000 km or 8.5 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ OIL FILTER – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ HOSES & PIPES – check for leaks
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ ROAD TEST

180,000 km or 9 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 2.2 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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.....

Signature .....

Date .....

180,000 km or 9 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ RADIATOR CAP – pressure test
- ❑ COOLING SYSTEM – pressure test
- ❑ HOSES & PIPES – check for leaks
- ❑ RADIATOR & CONDENSER – clean and check
- ❑ FUEL FILTER – replace
- ❑ AIR CLEANER – check
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ MANUAL TRANS – check fluid level
- ❑ AUTOMATIC TRANS – check fluid level
- ❑ TRANSFER CASE – check fluid level
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – replace
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT WHEEL BEARING & LOCKING HUB – change the grease
- ❑ FRONT & REAR HUB BEARINGS – check for looseness
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ PARK BRAKE LEVER TRAVEL – check
- ❑ PARK BRAKE RATCHET – check operation
- ❑ ROAD TEST

190,000 km or 9.5 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.2 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

190,000 km or 9.5 years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
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- ❑ ENGINE OIL – replace
- ❑ OIL FILTER – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ HOSES & PIPES – check for leaks
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ ROAD TEST

200,000 km or 10 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 7.0 hours for V6
- add 0.4 hours for manual trans

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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.....

.....

Signature .....

Date .....

200,000 km or 10 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ COOLANT – replace
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ RADIATOR CAP – pressure test
- ❑ COOLING SYSTEM – pressure test
- ❑ HOSES & PIPES – check for leaks
- ❑ RADIATOR & CONDENSER – clean and check
- ❑ FUEL FILTER – replace
- ❑ PRE-AIR CLEANER – check
- ❑ AIR CLEANER – check
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ VALVE CLEARANCE S– adjust
- ❑ SPARK PLUGS – replace
- ❑ POWER STEERING – replace fluid
- ❑ CLUTCH FLUID – replace
- ❑ BRAKE FLUID – replace
- ❑ MANUAL TRANS – replace fluid
- ❑ AUTOMATIC TRANS – check fluid level
- ❑ TRANSFER CASE – check fluid level
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL – replace front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT & REAR HUB BEARINGS – check for looseness
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ PARK BRAKE LEVER TRAVEL – check
- ❑ PARK BRAKE RATCHET – check operation
- ❑ ROAD TEST

210,000 km or 10.5 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.9 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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.....

.....

Signature .....

Date .....

210,000 km or 10.5 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ OIL FILTER – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ HOSES & PIPES – check for leaks
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT WHEEL BEARING & LOCKING HUB – replace the grease
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ ROAD TEST

220,000 km or 11 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.4 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

220,000 km or 11 years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
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- ❑ ENGINE OIL – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ RADIATOR CAP – pressure test
- ❑ COOLING SYSTEM – pressure test
- ❑ HOSES & PIPES – check for leaks
- ❑ RADIATOR & CONDENSER – clean and check
- ❑ FUEL FILTER – replace
- ❑ AIR CLEANER – check
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ MANUAL TRANS – check fluid level
- ❑ AUTOMATIC TRANS – check fluid level
- ❑ TRANSFER CASE – check fluid level
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – Check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT & REAR HUB BEARINGS – check for looseness
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ PARK BRAKE LEVER TRAVEL – check
- ❑ PARK BRAKE RATCHET – check operation
- ❑ ROAD TEST

230,000 km or 11.5 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.2 hours

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

230,000 km or 11.5 years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
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- ❑ ENGINE OIL – replace
- ❑ OIL FILTER – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ HOSES & PIPES – check for leaks
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL LEVEL – check both front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ ROAD TEST

240,000 km or 12 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 2.8 hours
- add 0.2 hours for auto and 0.4 hours for manual

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....

.....

.....

Signature .....

Date .....

240,000 km or 12 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ ENGINE OIL – replace
- ❑ COOLANT – check fluid level, check coolant %
- ❑ ENGINE OIL – check fluid level and contamination
- ❑ FLUID LEVELS – check levels
- ❑ RADIATOR CAP – pressure test
- ❑ COOLING SYSTEM – pressure test
- ❑ HOSES & PIPES – check for leaks
- ❑ RADIATOR & CONDENSER – clean and check
- ❑ FUEL FILTER – replace
- ❑ PRE-AIR CLEANER – check
- ❑ AIR CLEANER – replace
- ❑ ACCESSORY DRIVE BELT – check for wear
- ❑ POWER STEERING – replace fluid
- ❑ CLUTCH FLUID – replace
- ❑ BRAKE FLUID – replace
- ❑ MANUAL TRANS – replace fluid
- ❑ AUTOMATIC TRANS – replace fluid
- ❑ TRANSFER CASE – replace fluid
- ❑ UNIVERSAL JOINTS & SPLINES – check for wear
- ❑ UNIVERSAL JOINTS & SLIDING SLEEVE – lubricate
- ❑ DIFFERENTIAL GEAR OIL – replace front and rear
- ❑ DISC BRAKE PADS & DISCS – check for wear
- ❑ FRONT WHEEL BEARING & LOCKING HUB – replace the grease
- ❑ WHEELS – tighten wheel nuts, check tyre condition and tyre pressure
- ❑ FRONT & REAR HUB BEARINGS – check for looseness
- ❑ VEHICLE RIDE HEIGHT – check height
- ❑ UNDER BODY CHECK – check corrosion protection
- ❑ CLUTCH PEDAL TRAVEL & FREE PLAY – check
- ❑ STEERING WHEEL PLAY – check
- ❑ BRAKE PEDAL TRAVEL & FREE PLAY – check
- ❑ PARK BRAKE LEVER TRAVEL – check
- ❑ PARK BRAKE RATCHET – check operation
- ❑ ROAD TEST

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